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Who Panduit Is

Panduit is a world leader supporting our customers with flexible, end-to-end electrical and network connectivity physical infrastructure solutions that help their businesses stay connected in a global world. Our high-performance products improve productivity and offer a lower total cost of ownership to create a competitive business advantage.

With operations in more than 112 countries and a worldwide partner network, Panduit ensures the success of our customers with the broadest range of physical infrastructure solutions and products for data centers, enterprise, industrial automation, OEMs, MROs, and industrial construction applications. We help customers optimize the physical infrastructure through simplification, agility, and operational efficiency, with real-world solutions that help our customers keep pace in a global economy.

A Trusted Partner

For more than 60 years, Panduit has engineered and manufactured end-to-end solutions that help our customers manage their physical infrastructure. Our global expertise and strong industry relationships make Panduit a valuable and trusted partner dedicated to delivering technology-driven solutions and unmatched service. Through our commitment to innovation, quality, and service, Panduit creates competitive advantages to earn customer preference.

Enterprise

Today's enterprise IP networks support ever-expanding converged applications for voice, data and video, as well as functions such as intelligent lighting, security and safety systems. Panduit Enterprise Networks provide the industry's most comprehensive and holistic portfolio of products and services that enable sustainable, energy-efficient enterprises.

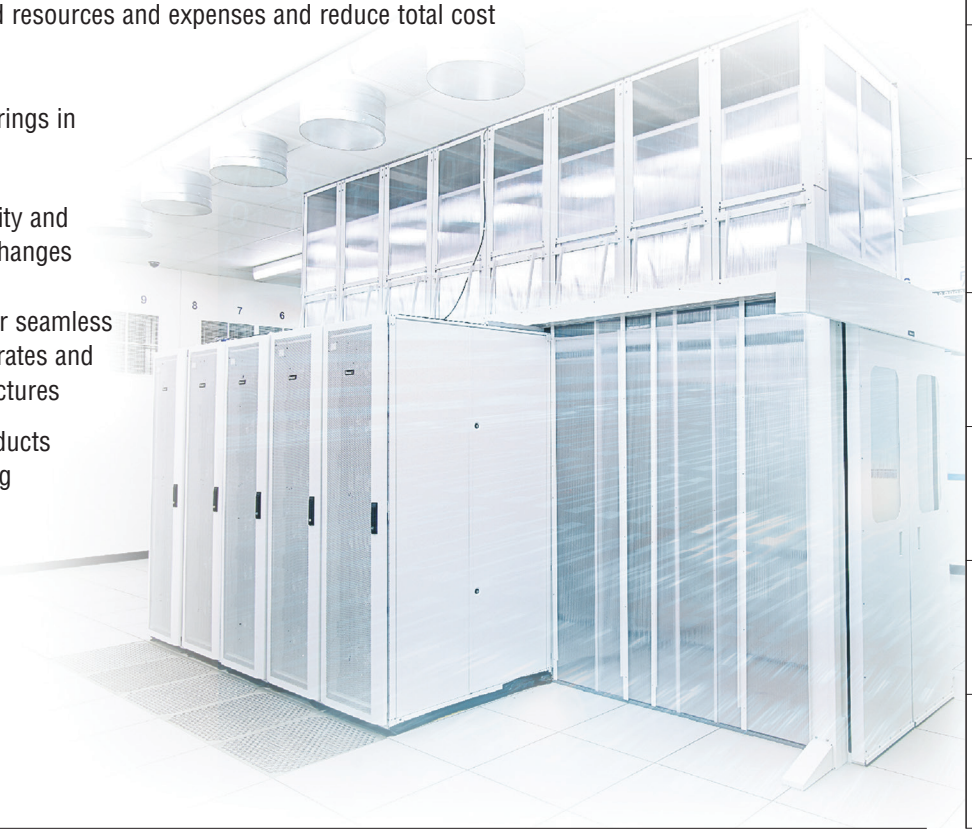
Within this catalog you will find Copper and Fiber Cable, Connectivity, Rack and Cable Management products engineered for an enterprise physical infrastructure deployment. These products incorporate innovative design features to provide easy installation, reduce maintenance costs and improved network reliability and flexibility.

Data Center

Panduit Converged Infrastructure Solutions deliver a complete family of data center hardware and software that are modular, pre-tested and proven to work together to stay ahead of demands, minimize required resources and expenses and reduce total cost of ownership.

Physical infrastructure hardware offerings in this catalog include:

- Modular cabinets for serviceability and flexibility for moves, adds and changes
- Fiber and copper connectivity for seamless migration paths for higher data rates and next-generation network architectures
- Passive airflow remediation products for thermal management, cooling control and containment
- Basic and monitored rack PDUs
- Environmental monitoring



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Innovation Drives Excellence

With more than 1,100 patents worldwide, innovation is at the heart of Panduit's high-performance systems. Panduit is committed to continual leadership within our industry, developing innovative technology solutions that meet the rapidly evolving needs of our customers around the world. Panduit's high-quality, reliable and flexible integrated solutions enable faster, more cost-effective deployments and help our customers prepare for "next generation" technologies while staying competitive.

Earning customer preference is the foundation of our business. By providing our global customers technology-driven solutions with the highest quality and service, Panduit continues to earn customer preference and the industry-leading position in the market.

> ***"Panduit's commitment to support us and Elmhurst (Memorial Healthcare) was very important. During the course of the project, if we had questions or needed support, it was always one phone call away."***
>
> – Joe Kowols, Project Manager, Jamerson & Bauwens

> ***"Panduit has the proven ability to deliver an end-to-end unified solution with innovative designs that offer superior cable management, and effective network integrity within the entire facility, including the telecommunications rooms, classrooms, labs and the equipment room."***
>
> – Peter Kehler, CIO, Information Systems, SAIT Polytechnic

> ***"The new Cisco Canada Headquarters is a living example of how we can harness the power of the Internet of Everything to create a smart building that's truly sustainable and a leader in energy efficiency. We are proud to be working with Panduit to support initiatives like this and honored to be sharing this award with them."***
>
> – Rick Huijbregts, Vice President, Industry and Business Transformation, Cisco

> ***"The initial decision to go with Panduit was a no-brainer because we had confidence in their ability to deliver the entire physical infrastructure stack, including the DCIM solution. And since day one, it's been a wonderful experience…we consider them a critical strategic partner in achieving our short-term and long-term goals. I'm extremely pleased in their DCIM roll-out so far, and everyone here at CenterPoint is very excited about their future plans for us."***
>
> – Tom Tanous, Sr. Manager Business Resilience & Data Center Management, CenterPoint

Panduit SynapSense® Cooling Optimization Solution contributed to Yahoo! winning the Improved Data Center Energy Efficiency Award from Datacenter Dynamics North America.

Panduit has been recognized in the "Visionaries" quadrant of the Gartner DCIM Magic Quadrant report, and as a "Major Player" in the IDC MarketScape: Worldwide Datacenter Infrastructure Management Vendor Analysis report for its SmartZone™ Data Center Information Management Hardware and its complimentary software suite.

Global Services and Support

Customer Service

Earning customer preference is the foundation of our business and is of utmost importance to every employee in our organization. Regionally focused global customer service teams are attended by live staff members, who have been well trained in our technology, taking an average of 1,500 calls per day. Incoming calls include order processing, order inquiry, maintenance, item availability, expediting, claims, credit, etc.

Technical Support

This team provides the next level of technical support, to provide further technical depth as needed beyond customer service. Tech support inquiries can be made within our online inquiry and resolution tracking system. The tech support team is bolstered by support engineers and product management teams.

Customer Satisfaction

Because of its critical importance to our brand, Panduit measures customer satisfaction in a number of dimensions and levels – global, regional, end-user account and individual – to ensure we collect a holistic understanding of our performance and that our actions to improve are broad-based.

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Panduit Technology Tools

Panduit Select

Put the Power of Panduit at your fingertips, anytime, anywhere. Browse the catalog, build an order, find a distributor close to your job site, even save your favorites for those go-to part numbers that you order over and over.

Google Play for Panduit Select

iTunes for Panduit Select

Install-It

Provides instant access to part information, installation instructions and specification sheets. Scan the barcode on Panduit product packaging or search by part number to access part information and documents.

Google Play for Panduit Install-It

iTunes for Panduit Install-It

Panduit Partner Ecosystem

PANDUIT® ONE℠ Partner Program

Panduit possesses both the global and local channels and strategic alliance partnerships that serve as an extension to our vast resources. The Panduit® ONE℠ Program consists of a robust ecosystem of designers, system integrators, distributors and contractors who offer a full portfolio of life cycle services. Our partners specialize in the delivery of relevant services to design, develop and deploy solutions that deliver predictable and measurable business benefits.

To thrive in today's competitive landscape, it not only requires innovative products and award-winning customer service, but also an expertly trained team. Panduit provides certification courses and business-specific eLearning opportunities that address our mutual customers' needs related to network infrastructure. These courses give our partners a distinct advantage over the competition and provide the keys to unlock new and potentially long-term revenue streams.

The Panduit online portal provides distributors with real-time information on product data, pricing, and order status. We conduct business transactions with our distributors via Electronic Data Interchange to streamline order processing, invoicing, and payments.

Panduit Quality Assurance

Panduit focuses on quality assurance in all facets of our business and drives quality initiatives throughout the organization to ensure continuous improvement of processes and solutions. Panduit's continued investment in research and development, technology, and employee development has driven our reputation as the quality leader in the industry. Award-winning customer service and innovative products have fueled Panduit's growth and a top-down commitment to quality ensures our future performance.

Environmental Policy ECO-Sustainability and Global Citizenship

Panduit's global quality systems are intertwined with our environmental management systems and aligned with our environmental policy (included below). Consequently, we also maintain certification to ISO 14001. Thus Panduit constantly acts to preserve and improve the global environment while creating the quality solutions that our customers expect.

Panduit received LEED Gold Certification in 2011 for our new world headquarters building in Tinley Park, Illinois.

Panduit embraces environmental stewardship as a core value and as responsible business practice. Green initiatives permeate every aspect of our business, from using recycled, locally purchased materials whenever practical to developing product and solution offerings that enable energy efficiency and promote environmentally sustainable business strategies.

A PDF copy of our ISO 9001, ISO/TS16949, ISO 14001 facility certifications, and Green Partner certifications can be found on our corporate website using the following URL: http://www.panduit.com/en/support/download-center/certifications

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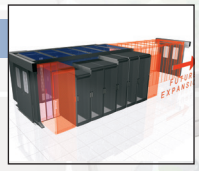
Data Center

Net-Access™ Cabinets, Racks, and Cable Management

Comprehensive product offering to address power, cooling, space, and cable management challenges, enabling reduced energy consumption, enhanced network reliability, and optimized space utilization. Cable management rack system manages high density network equipment and patch panels in up to half the number of racks required by traditional cable management systems.

Thermal Management

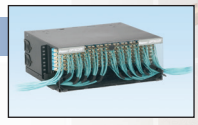


Data center managers, challenged to maximize the utilization of available rack space and cooling capacity, often increase the power density per cabinet. As cabinet power densities rise, containment architectures are the optimal approach, ensuring uniform cooling air temperature is delivered to equipment in high density PODs, which allow full utilization of available cabinet space and cooling capacity.

Fiber QuickNet™ System

An end-to-end pre-terminated, factory-tested fiber cabling system with cassette and trunk cable assemblies offers maximum deployment flexibility in enclosures or patch panels. Fiber cabling components utilize SC, LC, and/or MTP*/MPO multi-fiber array connectors for high-density, consistent performance, and high reliability.

Fiber Enclosures



Fiber enclosures provide a flexible system suitable for managing fiber terminations, connections, and patching in all types of applications. Integral cable management, bend radius control, and slack management features protect fiber optic cables, patch cords, and connectors ensuring end-to-end signal integrity for increased network reliability.

*MTP is a registered trademark of US Conec Ltd.

Representative offering only, visit www.panduit.com/enterprisenetworks

Building a Data Center for the Future

Panduit offers the complete range of equipment you need to build a robust and reliable data center infrastructure, and to address challenges around power, cooling, assets and connectivity. Our tested and proven physical infrastructure solutions deliver the assurance of support for all active equipment, seamless scalability for networking, computing or storage capacity and improved thermal efficiencies.

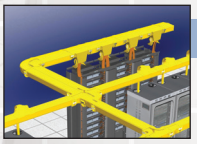
For example, to operate at maximum uptime you need efficient, fail-proof cabling and underlying infrastructure. As your business needs grow, you also need a way to seamlessly migrate to higher data rate speeds (40G/100G or beyond). Panduit's architecture provides the products and services to support your data center requirements.

Copper QuickNet™ System

An end-to-end pre-terminated, factory-tested copper cabling system assures quick "plug-in" network deployment and consistent performance while minimizing rework and scrap. System is engineered for maximum design flexibility and offers 100% factory tested cable assemblies in custom lengths and configurations.

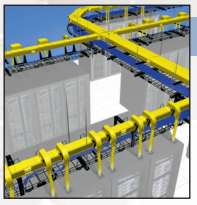
Rack Power Distribution Units (PDUs)

Rack PDUs safely and efficiently manage and distribute power to allow multiple pieces of equipment to share a single power connector to enhance scalability of network build outs. Built-in power meters and circuit breakers provide the critical power information and protection for improved network reliability.



FiberRunner® Routing System

Routing systems consist of channels, fittings, and brackets designed to segregate, route, and protect fiber optic and high performance copper cabling. Used to route cables from distribution areas to equipment cabinets or racks.



Wyr-Grid® Overhead Routing System

The Wyr-Grid® System is configured to route and protect cabling between the Main Distribution Area (MDA) or Horizontal Distribution Area (HDA) and the Equipment Distribution Areas (EDA). Key product features significantly reduce installation time, enhance cable management and improve user safety.

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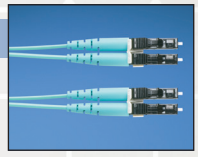
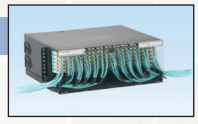
Telecommunications Room

Fiber Optic Cable Systems



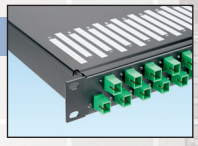
Complete end-to-end singlemode and multimode fiber optic solutions (cable, connectors, adapter modules, adapter panels, cassettes, patch cords, cable assemblies) that meet today's 10 Gb/s requirements.

Fiber Enclosures



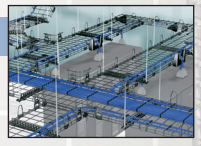
Fiber Enclosures provide a flexible system suitable for managing fiber terminations, connections, and patching in all types of applications. Integral cable management, bend radius control, and slack management features protect fiber optic cables, patch cords, and connectors ensuring end-to-end signal integrity for increased network reliability.

Passive Optical LAN Solution



Delivers converged IP voice, video, data, and building automation at gigabit speeds, to multiple devices via a single strand of singlemode fiber.

Wyr-Grid® Overhead Cable Tray System



Designed to route and manage copper data cables, fiber optic cables, or power cables. Innovative features provide quick, easy assembly for reduced installation costs and faster deployment.

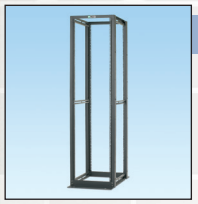
Copper Cabling System

Complete end-to-end Category 6A, 6 and 5e solutions (modular jacks, patch cords, cables, couplers) that meet the most demanding high-speed and bandwidth-demanding data and telecommunication applications.

Representative offering only, visit www.panduit.com/enterprisenetworks

Advanced Network, Space Optimization, Building Automation, and Asset Management

The telecommunication room is a vital point of aggregation of enterprise network and building control systems. The telecommunication room is designed to build flexibility and scalability into the enterprise network infrastructure and to allow for future business growth. Panduit enterprise network products are designed to maximize real estate utilization, thermal management, network security, asset management, and network uptime.



2 and 4 Post Open Equipment Racks

Comprehensive product offering to address cable management challenges, enhanced network reliability, and optimized space utilization. The foundation of the telecommunication room, racks support infrastructure cabling and equipment.

PatchRunner™ Cable Management

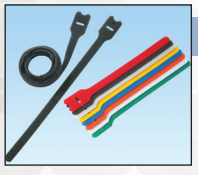
Cable management rack system manages high density network equipment and patch panels in up to half the number of racks required by traditional cable management systems. Modular design and compatibility with all Panduit networking products for a comprehensive and aesthetically pleasing infrastructure solution with the flexibility to facilitate system upgrades.

StructuredGround™ Grounding System

Grounding system provides a high quality, visually verifiable, and dedicated grounding path to maintain system performance, improve network reliability, and protect network equipment and personnel. Highest reliability is ensured; this grounding system meets all applicable grounding and bonding industry standards.

Identification and Labeling System

Comprehensive line of labeling systems and printers, each designed to fit a specific need, allowing you to create custom markers quickly and economically. Identification solutions include computer printable labels and supplies, software, and a wide range of printers including hand-held/portable printers and desktop printers.



TakTy® Hook & Loop Cable Ties

Comprehensive line of cable ties in a wide range of sizes, styles for fastening, bundling, clamping, and identifying a variety of network applications facilitating frequent moves, adds, and changes.

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Work Area

Copper Cabling Systems

Complete end-to-end Category 6A, 6, and 5e solutions (modular jacks, patch cords, cables, couplers) are designed to support enterprise technologies, including Voice over IP, HD video, Power over Ethernet, and desktop virtualization.

Mini-Com® Outlet Systems

Comprehensive selection of faceplates, surface mount boxes, modular furniture faceplates, and audio/video modules that is easily installed and provides an aesthetically pleasing solution that complements today's workplace environment.

PanWay® Raceway Systems

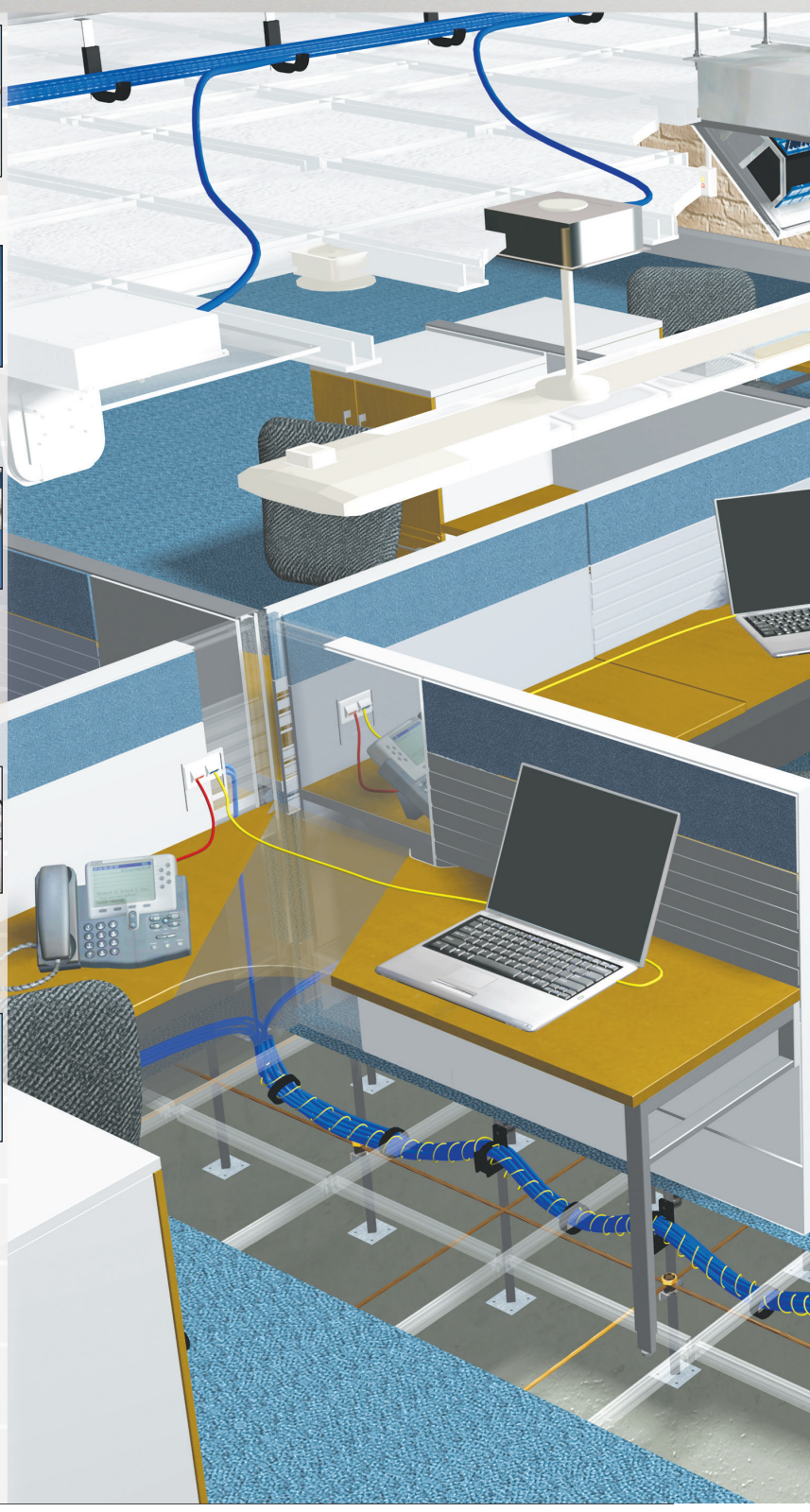
Surface raceway products provide maximum flexibility for routing, protecting, and concealing high performance copper, voice, video, fiber-optic, and electrical wiring within any enterprise environment. Products are tamper resistant, offering increased safety benefits, discouraging unauthorized access, and protecting sensitive cabling from accidental damage and physical contact with electrical wiring.

PanZone® Zone Cabling Systems

Zone enclosures (in-ceiling, underfloor, raised floor, building automation systems, and wall mount consolidation points) serve as a main distribution point for open office architecture applications, wireless deployments, and network integration of building automation systems.

PanZone® Work Area Consolidation Point Enclosure

Serves as a consolidation point for telecommunication and computing devices, phones, computers, printers, and connected building devices, without requiring access to the telecommunication room.



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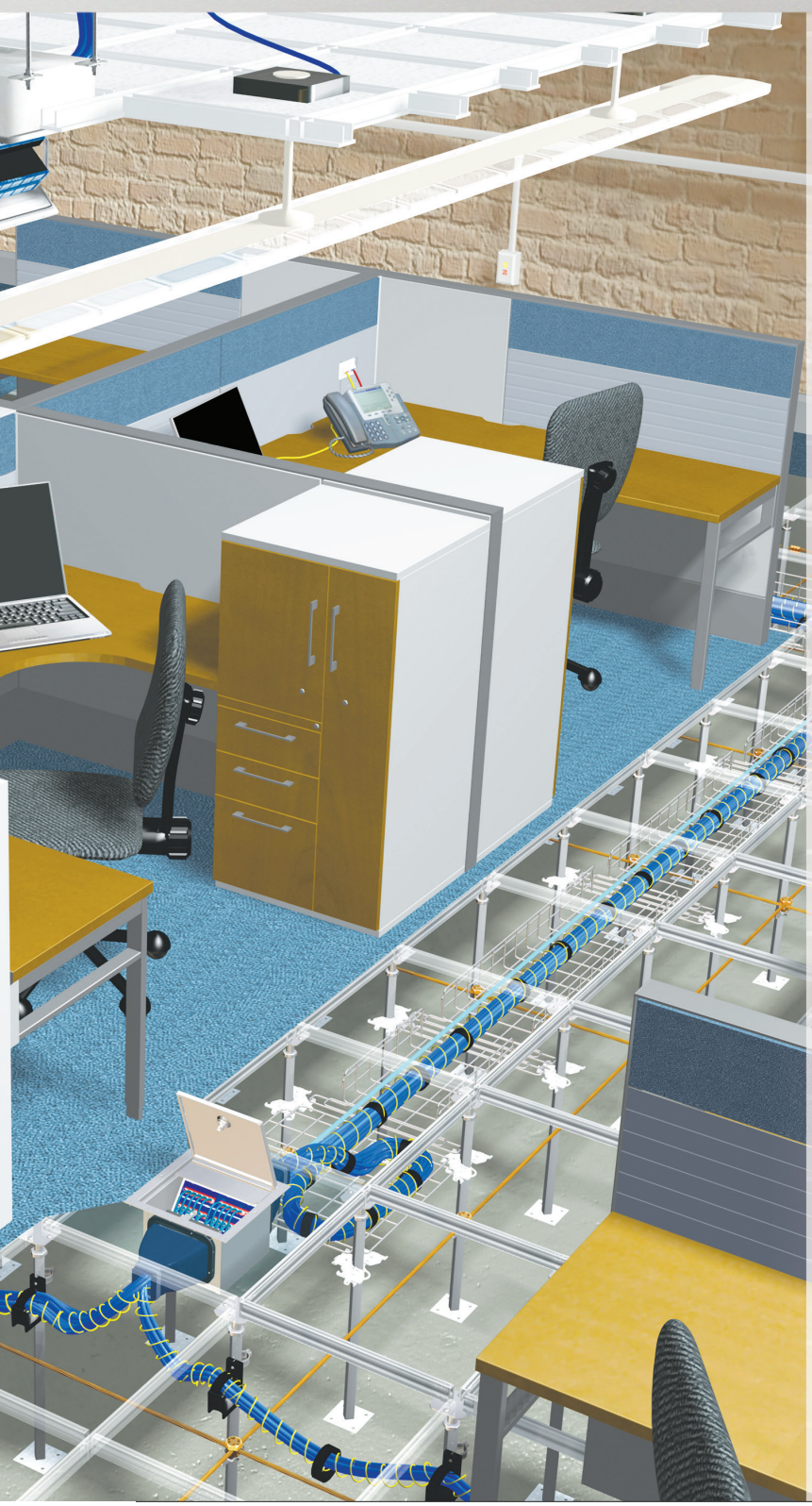
Flexible and Fast to Meet Ever-Changing Business Needs

Today's enterprise IP networks need to support voice, data, and video in a converged media as well as enable an open, engaging, and collaborative work environment. Furthermore, enterprise IP networks must be flexible and robust to support changes in the business market and future enterprise growth. Panduit Enterprise Networks are uniquely designed to deliver maximum network performance while being flexible, scalable, and modular to expand quickly as business needs evolve. Panduit Enterprise Networks also provide superior functionality, clear and precise identification, increased connectivity density, and improved network security to facilitate higher workplace productivity and satisfaction.



Mini-Com® MuTOA Outlet Box

Work area outlet products provide a broad range of solutions that are easily installed and offer absolute modularity. All products provide an aesthetically pleasing solution that will complement all types of work areas (office, schools, factories, etc.).

Identification and Labeling Systems

Comprehensive line of labeling systems and printers, each designed to fit a specific need, allowing you to create custom markers quickly and economically.

Copper and Fiber Blockout Devices

These devices snap into jack modules, either copper or fiber SC/LC and block unauthorized network access. Blockout devices are released with the tool, ensuring the safety and security of the network infrastructure and saving time and money associated with network downtime, data security breaches, infrastructure repair, and hardware theft.

Copper and Fiber Lock-In Devices

Network accessories block unauthorized access to existing network infrastructure. These devices are compatible with most existing copper or fiber LC patch cords, IP cameras, and other IP devices. Also compatible with VoIP phones and help prevent unauthorized tampering with connectivity to ensure E911 continuity.

USB Blockout Devices

These devices plug into either Type A or Type B USB ports, keeping them secure and reducing the risk of unauthorized access. Versions available that can be removed with a tool, or for permanent installation.

StrongHold™ Supports

Supports and fasteners manage and route cables in a variety of applications. Designed to provide bend radius control that helps prevent degradation of cable performance.

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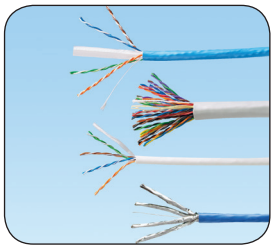
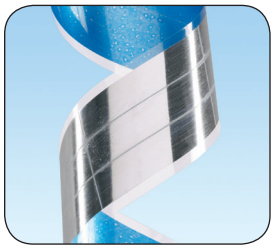
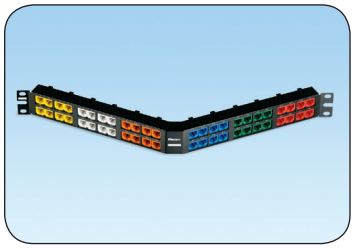
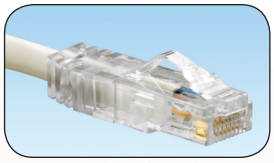
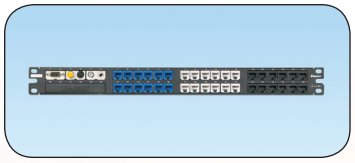
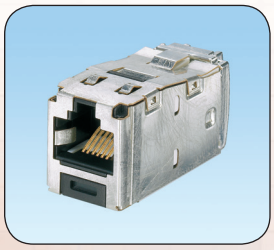
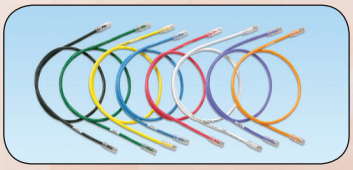
Notes

Copper Systems

Panduit offers end-to-end solutions for all twisted pair copper cabling applications. TX™ Copper Cabling Systems provide reliable network performance for the most demanding high-speed and bandwidth-demanding applications while exceeding the latest industry standards. Mini-Com® Modules are interchangeable within Panduit modular patch panels, faceplates, and surface mount boxes to provide modular solutions for intermediate to high-density installations. A variety of colors enable color-coding of connectivity for network segregation.

- **Copper cable is designed to be installed with Panduit connectivity products (jack modules, pre-terminated cassettes, patch panels, and patch cords) to provide a reliable, modular, end-to-end solution**
- **Copper TG Style Jack Modules feature enhanced Giga-TX™ Technology optimizing performance by maintaining cable pair geometry and eliminating conductor untwist; forward motion termination places no impact on critical internal components for maximum reliability**
- **Plug pack assemblies facilitate quick and easy connection and disconnection of patch cords to a variety of switches, reducing time and cost associated when installing and maintaining active equipment**
- **Patented angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers, providing a high-density solution which conserves valuable rack space**
- **TX6™ and TX6A-SD UTP Copper Cabling Systems with MatriX Technology provides headroom assurance that exceed requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3n-2006, and ISO 11801 Class E_A channel standards**
- **Small diameter cabling in Cat.6A, Cat. 6 and Cat. 5e performance provides design flexibility which supports high density patch fields in Enterprise and Data Center applications**

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
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M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Panduit Copper Cabling System Selection Guide

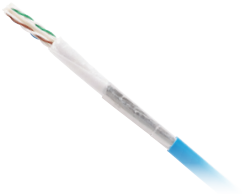
Panduit Cabling System	TX6A™ Shielded	TX6A™ UTP	TX6500™	TX6000™	TX5500™
Performance Standard Compliance	- ANSI/TIA 568-C.2 Category 6A - ISO/IEC 11801 Class E_A	- ANSI/TIA 568-C.2 Category 6A - ISO/IEC 11801 Class E_A	- ANSI/TIA 568-C.2 Category 6 - ISO/IEC 11801 Class E	- ANSI/TIA 568-C.2 Category 6 - ISO/IEC 11801 Class E	- ANSI/TIA 568-C.2 Category 5e - ISO/IEC 11801 Class D
Specified Bandwidth	500 MHz	500 MHz	250 MHz	250 MHz	100 MHz
Application Standard Compliance	• 802.3 Ethernet: 10GBASE-T, 100BASE-T, 1000BASE-T • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 10GBASE-T, 100BASE-T, 1000BASE-T • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 10GBASE-T*, 100BASE-T, 1000BASE-T *(limited distances per TSB-155-A) • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 10GBASE-T*, 100BASE-T, 1000BASE-T *(limited distances per TSB-155-A) • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)	• 802.3 Ethernet: 100BASE-T, 1000BASE-T • 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM • Token Ring 4/16 • 802.3 Power over Ethernet (PoE, PoE+, PoE++)
Cable	PUFP6X04**/ PUFR6X04** PFP6X04**/ PFR6X04**	PUP6AM04**/ PUR6A04** PUP6ASD04**/ PUR6ASD04**	PUP6504**/ PUR6504**	PUP6004**/ PUR6004**	PUP5504**/ PUR5504**
Jack Module	CJS6X88TGY	CJ6X88TG**	CJ688TG**	CJ688TG**	CJ5E88TG**
Data Patch Panel	N/A	DP246X88TGY/ DP486X88TGY	DP24688TGY/ DP48688TGY	DP24688TGY/ DP48688TGY	DP2465E88TGY/ DP4865E88TGY
Patch Cord	STP6XN** STP28XN**	UTP6ASDN** UTP28XN**	UTPSPN**Y UTP28SPN**	UTPSPN**Y UTP28N**	UTPCHN**Y UTP28CHN**
Zone Cord	SAPPBUN/SAPRBUN SAJPBUN/SAJRBUN	UZPPBUN/UZPRBUN UZJPBUN/UZJRBUN	UPPBUN/UPRBUN UJPBUN/UJRBUN	UPPBUN/UPRBUN UJPBUN/UJRBUN	N/A
Punchdown System	N/A	GP6™ PLUS (standard density)	GP6™ PLUS	GP6™ PLUS	PanPunch® 110
Description	Recommended for high-data use installations in high EMI environments. Current or future applications which will operate at greater than Gigabit data rates (WLAN, imaging, video conferencing, server virtualization. Provides guaranteed headroom on internal and external (alien) parameters	Current or future applications which will operate at greater than Gigabit data rates (WLAN, imaging, video conferencing, server virtualization. Provides guaranteed headroom on internal and external (alien) parameters	Robust Gigabit system for high-data use environments. Provide superior guaranteed headroom on internal cabling system parameters	Robust Gigabit system for high-data use environments. Provides guaranteed headroom on internal cabling system parameters	General purpose Gigabit system for shorter term or temporary installations or for less data intensive locations

Order number of pieces required, in multiples of Standard Package Quantity.

TX6A™ and TX6A-SD™ UTP Copper Cable with Advanced MaTriX Technology

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and IEC 61156-5 Category 6A component standards
- Superior headroom performance provides margins above the industry standard for both electrical and alien crosstalk performance
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Patented cable with MaTriX Technology suppresses alien crosstalk with enhanced internal electrical performance
- Round cable design with reduced cable diameter enables improved cable bundling and optimizes fill capacity
- TX6A UTP Copper Cable available for distances up to 100 meters; cable diameter 0.275 in. (7.0mm) plenum nominal
- TX6A-SD™ UTP Copper Cable available for distances up to 70 meters, offering smaller cable diameter comparable to Category 6 cable; cable diameter 0.240 in. (6.1mm) nominal
- Installation temperature range: 32°F to 140°F (0°C to 60°C)
- Operating temperature range: -4°F to 167°F (-20°C to 75°C)
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap

PUP6AM04BU-UG



PUP6ASD04BU-UG

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
TX6A™ UTP Copper Cable (100 meter solution)				
PUP6AM04BU-UG	Category 6A, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a patented Advanced MaTriX Technology tape and protected by a low-smoke flame-retardant PVC jacket. Maximum operating temperature of 194°F (90°C).	Blue	5000	1000
PUR6A04BU-UG	Category 6A, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a patented MaTriX Technology tape and protected by a flame-retardant PVC jacket.	Blue	9000	1000
TX6A-SD™ UTP Copper Cable (70 meter solution)				
PUP6ASD04BU-UG‡	Category 6A, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 26 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a patented MaTriX Technology tape and protected by a low-smoke, flame-retardant PVC jacket. Ideal for installations up to 70 meters. Smallest diameter Category 6A UTP cable on the market at 0.240 in. (6.1mm).	Blue	9000	1000
PUR6ASD04BU-CG‡	Category 6A, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 26 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by a patented MaTriX Technology tape and protected by a flame retardant PVC jacket. Ideal for installations up to 70 meters.	Blue	9000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White), YL (Yellow), or IG (International Gray).
Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

TX6A™ U/FTP Shielded Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and IEC 61156-5 Category 6A component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.308 in. (7.8mm) nominal, Plenum 0.295 in. (7.5mm) nominal
- Installation temperature range: 32°F to 140°F (0°C to 60°C)
- Operating temperature range: -4° to 167°F (-20° to 75°C)
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap

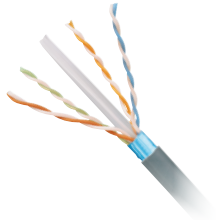
PUFR6X04BU-UG

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUFR6X04BU-UG	Category 6A, riser (CMR), 4-pair, U/FTP shielded copper cable. Copper conductors are 23 AWG with HDPE insulation. Conductors are twisted in pairs, each individual twisted pair includes a metallic foil shield and is protected by a flame-retardant PVC jacket.	Blue	5000	1000
Plenum				
PUFP6X04BU-UG	Category 6A, plenum (CMP), 4-pair, U/FTP shielded copper cable. Copper conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, each individual twisted pair includes a metallic foil shield and is protected by a low smoke, flame-retardant PVC jacket.	Blue	5000	1000

‡For standard colors other than Blue, replace BU with WH (White), YL (Yellow), or IG (International Gray). Order number of pieces required, in multiples of 5,000 feet. Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

TX6A™ Shielded F/UTP Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and IEC 61156-5 Category 6A component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.284 in. (7.2mm) nominal, Plenum 0.290 in. (7.4mm) nominal
- Installation temperature range: -20°F to 75°F (-4°C to 167°C) during installation and operation
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap



PFR6X04BU-CG

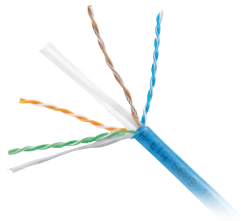
Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
PFR6X04BU-CG	Category 6A riser (CMR) 4-pair F/UTP shielded copper cable. Conductors are 23 AWG with PE insulation. Conductors are twisted in pairs, separated by an integrated pair separator, all four pairs surrounded by an overall metallic foil shield and protected by a riser jacket.	Blue	9000	1000
PFP6X04BU-UG	Category 6A plenum (CMP) 4-pair F/UTP shielded copper cable. Conductors are 23 AWG with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair separator, all four pairs surrounded by an overall metallic foil shield and protected by a low smoke, flame-retardant PVC jacket.	Blue	9000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White). Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

TX6500™ Premium Category 6 UTP Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel standards
- Guaranteed Channel Headroom Platform when part of the TX6500 Cabling Solution
- Exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 6 component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Reduced attenuation maximizes the amount of signal that reaches the receiver, increasing bandwidth
- Third party tested to comply with ANSI/TIA-568-C.2
- Cable diameter: Riser 0.265 in. (6.8mm) nominal, Plenum 0.264 in. (6.7mm) nominal
- Installation temperature range: 32°F to 122°F (0°C to 50°C)
- Operating temperature range: -4°F to 167°F (-20°C to 75°C)
- Characterized to 600 MHz, 350 MHz above the standard
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- Cable supplied in an easy payout EZ-Brake™ System



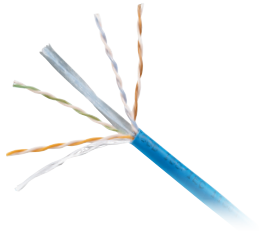
PUR6504BU-UY

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUR6504BU-UY	Premium, Category 6, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with polyolefin (PE) insulation. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a flame-retardant PVC jacket.	Blue	9000	1000
Plenum				
PUP6504BU-UY	Premium, Category 6, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with FEP insulation. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a low smoke, flame-retardant PVC jacket.	Blue	9000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White), YL (Yellow), or IG (International Gray). Contact Panduit Customer Service for other color options.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

TX6000™ Enhanced Category 6 UTP Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel standards
- Guaranteed Channel Headroom Platform when part of the TX6000 Cabling Solution
- Exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 6 component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Third party tested to comply with ANSI/TIA-568-C.2
- Cable diameter: Riser 0.243 in. (6.2mm) nominal, Plenum 0.225 in. (5.7mm) nominal
- Installation temperature range: 32°F to 122°F (0°C to 50°C)
- Operating temperature range: -4°F to 167°F (-20°C to 75°C)
- Characterized to 550 MHz, 300 MHz above the standard
- Cable supplied in an easy payout Reelex™ carton



PUR6004BU-W

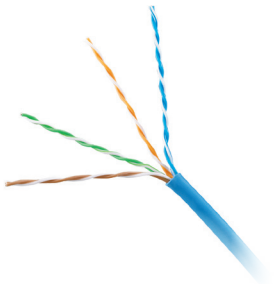
Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUR6004BU-W	Enhanced Category 6, riser (CMR) 4-pair U/UTP copper cable. Copper conductors are 23 AWG construction with polyolefin (PE) insulation. Conductors are twisted in pairs, separated by an integrated pair divider and protected by a flame-retardant PVC jacket. Packaged in an easy-payout Reelex™ carton.	Blue	12000	1000
Plenum				
PUP6004BU-W	Enhanced Category 6, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 23 AWG construction with FEP/polyolefin insulation. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by a low smoke, flame-retardant PVC jacket. Packaged in an easy-payout Reelex™ carton.	Blue	12000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White), YL (Yellow), or IG (International Gray). Contact Panduit Customer Service for other color options.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

TX6™ Category 6 UTP Copper Cable

- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Temperature rating:
  32°F to 122°F (0°C to 50°C) during installation
  -4°F to 167°F (-20°C to 75°C) during operation (Riser)
  -4°F to 167°F (-20°C to 75°C) during operation (Plenum)
- Third part tested to comply with ANSI/TIA-568-C.2 Category 6
- Cable Diameter: Plenum - 0.224 in. (5.7mm) nominal
  Riser - 0.210 in. (5.3mm) nominal
- Cable has been characterized to 350 MHz, 100 MHz above the standard
- Easy identification of remaining cable reduces installation time and cable scrap
- Cable supplied in an easy payout Reelex™ carton



PUR6C04BU-U

Part Number	Part Description	Color	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUR6C04BU-U	Category 6, riser (CMR), 4-pair U/UTP copper cable. Copper conductors are 23 AWG construction with polyolefin insulation. Conductors are twisted in pairs, separated by a tape and protected by a flame retardant PVC jacket.	Blue	12000	1000
Plenum				
PUP6C04BU-U	Category 6, plenum (CMP), 4-pair U/UTP copper cable. Copper conductors are 23 AWG construction with FEP/polyolefin insulation. Conductors are twisted in pairs, separated by a tape and protected by a low-smoke, flame retardant PVC jacket.	Blue	12000	1000

For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

TX6™ OSP Category 6 UTP Copper Cable

- Certified performance with ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E; Telcordia Specification GR-421-CORE Water Penetration Requirement
- Protects against environmental elements that can cause electrical performance failures
- Cable Diameter: 0.260 in (6.6mm) nominal
- Gel-filled construction to prevent moisture migration in underground and wet applications
- Wide temperature range for extreme weather environments:
  -22°F to 140°F (-30°C to 60°C) during installation
  -49°F to 176°F (-45°C to 80°C) during operation
- Cable supplied in an easy payout Reelex™ carton

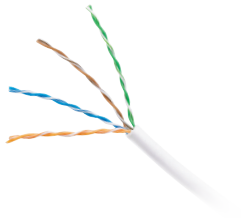
PUO6C04BL-U

Part Number	Part Description	Color	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
PUO6C04BL-U	Category 6, outside plant (OSP), 4-pair U/UTP copper cable. Copper conductors are 23 AWG construction with polyolefin insulation. The cable has a gel-filled construction to prevent moisture migration in underground and wet applications. Conductors are twisted in pairs, separated by a pair separator and covered by a UV-resistant and abrasion-resistant polyethylene (PE) jacket. For use in duct and conduit installation. Not to be used in aerial or direct burial applications.	Black	9000	1000

For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

TX5500™ Enhanced Category 5e UTP Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel standards
- Guaranteed Channel Headroom Platform when part of the TX5500 Cabling Solution
- Exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 5e component standards
- Third party tested to comply with ANSI/TIA-568-C.2
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.225 in. (5.7mm) nominal, Plenum 0.207 in. (5.3mm) nominal
- Installation temperature range: 32°F to 122°F (0°C to 50°C)
- Operating temperature range: 14°F to 167°F (-10°C to 75°C)
- Channel characterized to 450 MHz, 350 MHz above the standard
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- Cable supplied in an easy payout Reelex™ carton



PUR5504WH-UY

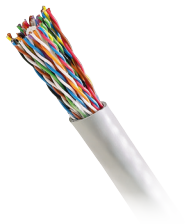
Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUR5504BU-UY	Enhanced Category 5e, riser (CMR), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with polyolefin (PE) insulation. Conductors are twisted in pairs and protected by a flame-retardant PVC jacket.	Blue	13000	1000
Plenum				
PUP5504BU-UY	Enhanced Category 5e, plenum (CMP), 4-pair, UTP copper cable. Copper conductors are 24 AWG construction with FEP/polyolefin insulation. Conductors are twisted in pairs and placed in a low smoke, flame-retardant PVC jacket.	Blue	13000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White), YL (Yellow), or IG (International Gray). Contact Panduit Customer Service for other color options.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

TX5500™ Category 5e 25-Pair UTP Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 5e component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.500 in. (12.7mm) nominal, Plenum 0.455 in. (11.6mm) nominal
- Installation temperature range: 32°F to 122°F (0°C to 50°C)
- Operating temperature range: -4°F to 167°F (-20°C to 75°C)
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- Cable supplied on a reel



PUR5525IG-UY

Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PUR5525IG-UY	Category 5e riser (CMR) 25-pair UTP copper cable. Copper conductors are 24 AWG construction with HDPE insulation. Conductors are twisted in pairs and placed in a flame-retardant PVC jacket.	International Gray	1000	1000
Plenum				
PUP5525IG-UY	Category 5e plenum (CMP) 25-pair UTP copper cable. Copper conductors are 24 AWG construction with FEP insulation. Conductors are twisted in pairs and placed in a low smoke, flame-retardant, fluoropolymer jacket.	International Gray	1000	1000

‡For standard colors other than International Gray, replace IG in part number with BU (Blue) or WH (White).
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

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TX5500™ Category 5e F/UTP Shielded Copper Cable

- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and IEC 61156-5 Category 5e component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Cable diameter: Riser 0.241 inch (6.1 mm), Plenum 0.229 inch (5.8mm)
- Installation temperature range: 32°F to 122°F (0°C to 50°C)
- Operating temperature range: -4°F to 140°F (-20°C to 60°C)
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- Cable supplied on a reel

PFR5504BU-UY

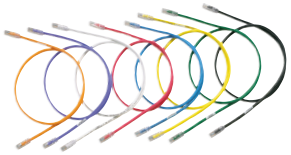
Part Number	Part Description	Color‡	Minimum Order Quantity (MOQ)*	Minimum Order Increment (MOI)*
Riser				
PFR5504BU-UY	Category 5e, riser (CMR), 4-pair, F/UTP copper cable. Copper conductors are 24 AWG construction with polyethylene insulation. Conductors are twisted in pairs, surrounded by an overall polyester aluminum foil with a stranded copper drain wire and protected by a flame-retardant PVC jacket.	Blue	5000	1000
Plenum				
PFP5504BU-UY	Category 5e, plenum (CMP), 4-pair, F/UTP copper cable. Copper conductors are 24 AWG construction with FEP insulation. Conductors are twisted in pairs, surrounded by an overall polyester aluminum foil with stranded copper drain wire and protected by a low smoke flame-retardant PVC jacket.	Blue	5000	1000

‡For standard colors other than Blue, replace BU in part number with WH (White), IG (International Gray), BL (Black), GR (Green), OR (Orange), RD (Red), VL (Violet), or YL (Yellow).
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
*MOQ needs to be met prior to MOI. Contact Panduit Customer Service for a additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

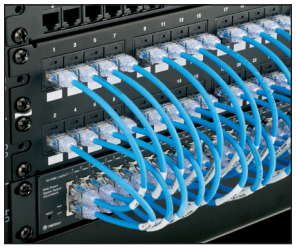
TX6A-SD™ and TX6A-28™ UTP Patch Cords

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards**
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Advanced MaTriX Technology in TX6A-SD™ provides superior suppression of alien crosstalk (PSANEXT and PSAACRF)
- Available space-saving 28 AWG cords are over 40% smaller than 26 AWG cords and provide over 60% increase in cabling capacity in pathways
- TX6A-SD™ constructed of Category 6A, 26 AWG stranded cable (nominal cable diameter 0.240 in.) and TX6A™ Modular Plugs for superior performance
- TX6A-28™ constructed of Category 6A, 28 AWG solid cable (nominal cable diameter 0.185 in.) and TX6™ PLUS 28 AWG Modular Plugs for superior performance
- Compatible as components of any Panduit TX6A™ UTP Copper Cabling System for increased design flexibility in channels up to 100 meters**
- Each patch cord is 100% performance tested to component limits and wired T568B
- Plugs meet all applicable ANSI/TIA-1096-A requirements and exceeds IEC 60603-7 specifications
- Performance of plugs is in center of TIA component range, ensuring interoperability and 10GBASE-T Ethernet channel performance
- Label on patch cords provides identification of performance level, length, and quality control number
- Patented tangle-free latch prevents snags and provides easy release, saving time on frequent moves, adds, and changes
- Optional patch cord color bands snap on and off individual patch cables offering endless color-coding options
- Optional RJ45 plug lock-in device blocks unauthorized removal of cable, IP phone, other networking equipment, or critical connection



UTP6ASD*‡
UTP28X*‡

UTP28X*



UTP28X8INBU

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
TX6A-SD™ UTP Patch Cords				
UTP6ASD*BU	Category 6A (SD), 10 Gb/s UTP patch cord with TX6A™ Modular Plugs on each end, CM.	Blue	1	10
UTP6ASD*	Category 6A (SD), 10 Gb/s UTP patch cord with TX6A™ Modular Plugs on each end, CM.	Off White	1	10
UTP6ASD*BU-Q	Category 6A (SD), 10 Gb/s UTP patch cord with TX6A™ Modular Plugs on each end, CM.	Blue	25	25
UTP6ASD*-Q	Category 6A (SD), 10 Gb/s UTP patch cord with TX6A™ Modular Plugs on each end, CM.	Off White	25	25
TX6A-28™ UTP Patch Cords				
UTP28X*BU	Category 6A Performance 28 AWG, UTP Patch Cord, CM/LSZH.	Blue	1	10
UTP28X*	Category 6A Performance 28 AWG, UTP Patch Cord, CM/LSZH.	Off White	1	10
UTP28X*BU-Q	Category 6A Performance 28 AWG, UTP Patch Cord, CM/LSZH.	Blue	25	25
UTP28X*-Q	Category 6A Performance 28 AWG, UTP Patch Cord, CM/LSZH.	Off White	25	25
UTP28X8INBU	Category 6A Performance, 28 AWG, UTP Patch Cord, CM/LSZH (8 inch patch cord used for direct switch patching).	Blue	1	10
UTP28X8INBU-48	Category 6A Performance, 28 AWG, UTP Patch Cord, CM/LSZH (8 inch patch cord used for direct switch patching).	Blue	48	48

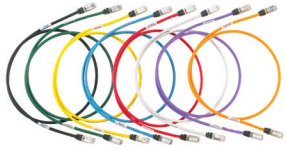
*Patch Cords available in 1, 3, 5, 7, and 10ft. lengths. For additional lengths refer to www.panduit.com.
‡Patch cords are listed in BU (Blue) and IW (Off White). Other colors available, replace BU in part number with BL (Black), YL (Yellow), GY (Gray), GR (Green), RD (Red), OR (Orange) or VL (Violet).
**TX6A-28™ patch cords utilize 28 AWG conductors which do not meet the 22 to 26 AWG conductor size of patch cable referenced in ANSI/TIA-568-C.2, resulting in an increased attenuation de-rating value of 1.9. Supports 96 meter channels that include 90 meter permanent links. Supports 93 meter channels with 10 meters of patch cords included in the channel.
Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

TX6A™ and TX6A-28™ Shielded Patch Cords

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards**
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E_A component standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Available space-saving 28 AWG cords are over 40% smaller than 26 AWG cords and provide over 60% increase in cabling capacity in pathways
- TX6A™ Shielded Patch Cords constructed of Category 6A, 26 AWG S/FTP stranded cable (nominal cable diameter is 0.23 in.) and TX6™ PLUS Shielded Modular Plugs for superior performance
- TX6A-28™ Shielded Patch Cords constructed of Category 6A, 28 AWG U/FTP solid cable (nominal cable diameter 0.185 in.) and TX6™ PLUS 28 AWG Shielded Modular Plugs for superior performance
- Each patch cord is 100% performance tested to component limits and wired T568B
- Plugs meet all applicable ANSI/TIA-1096-A requirements and exceeds IEC 60603-7 specifications
- Performance of plugs is in center of TIA component range, ensuring interoperability and 10GBASE-T Ethernet channel performance
- Label on patch cords provides identification of performance level, length, and quality control number
- Patented tangle-free latch prevents snags and provides easy release, saving time on frequent moves, adds, and changes
- Optional patch cord color bands snap on and off individual patch cables offering endless color-coding options
- Optional RJ45 plug lock-in device blocks unauthorized removal of cable, IP phone, other networking equipment, or critical connection

STP6X*‡

STP28X*M‡



STP6X*‡
STP28X*‡

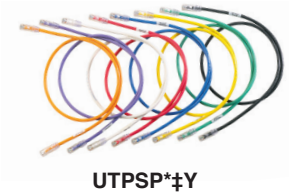
Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
TX6A™ STP Shielded Patch Cords				
STP6X*BU	Category 6A, 26 AWG, S/FTP Patch Cord, CM/LSZH.	Blue	1	10
STP6X*IG	Category 6A, 26 AWG, S/FTP Patch Cord, CM/LSZH	International Gray	1	10
STP6X*BU-Q	Category 6A, 26 AWG, S/FTP Patch Cord, CM/LSZH	Blue	25	25
STP6X*IG-Q	Category 6A, 26 AWG, S/FTP Patch Cord, CM/LSZH	International Gray	25	25
TX6A-28™ STP Shielded Patch Cords				
STP28X^MBU	Category 6A Performance, 28 AWG, F/UTP Patch Cord, CM/LSZH.	Blue	1	10
STP28X^MIG	Category 6A Performance, 28 AWG, F/UTP Patch Cord, CM/LSZH.	International Gray	1	10
STP28X^MBU-Q	Category 6A Performance, 28 AWG, F/UTP Patch Cord, CM/LSZH.	Blue	25	25
STP28X^MIG-Q	Category 6A Performance, 28 AWG, F/UTP Patch Cord, CM/LSZH.	International Gray	25	25

*Patch Cords available in 1, 3, 5, 7, and 10ft. lengths. For additional lengths, refer to www.panduit.com.
^STP28X* Shielded Patch Cords available in 0.5, 1, 2 and 3m. For additional lengths, refer to www.panduit.com.
‡ Patch cords are listed in BU (Blue) and IG (International Gray). Other colors available, replace BU in part number with BL (Black), YL (Yellow), GR (Green), RD (Red), OR (Orange) or VL (Violet).
**TX6A-28™ patch cords utilize 28 AWG conductors which do not meet the 22 to 26 AWG conductor size of patch cable referenced in ANSI/TIA-568-C.2, resulting in an increased attenuation de-rating value of 1.9. Supports 96 meter channels that include 90 meter permanent links. Supports 93 meter channels with 10 meters of patch cords included in the channel.
Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

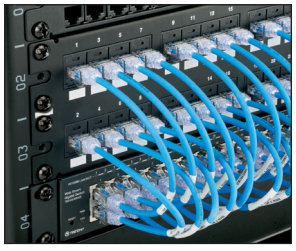
TX6™ PLUS and TX6-28™ UTP Patch Cords

- Exceeds ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Available space-saving 28 AWG cords are nearly 60% smaller than 24 AWG cords and provide over 140% increase in cabling capacity in pathways
- TX6™ PLUS Patch Cords constructed of Category 6, 24 AWG UTP stranded cable (nominal cable diameter 0.235 in.) and TX6™ PLUS Modular Plugs; plug contacts plated with 50 microinches of gold for superior performance
- TX6-28™ UTP Patch Cords constructed of Category 6, 28 AWG stranded cable (nominal cable diameter 0.150 in.) and TX6™ PLUS 28 AWG Modular Plugs; plug contacts plated with 50 microinches of gold for superior performance
- Each patch cord is 100% performance tested to component limits and wired T568B
- Plug meets all applicable ANSI/TIA-1096-A requirements and exceeds IEC 60603-7 specifications
- Performance of plugs is in center of TIA component range, ensuring interoperability and excellent performance
- Label on patch cords provide identification of performance level, length, and quality control number
- Patented tangle-free latch prevents snags and provides easy release, saving time on frequent moves, adds, and changes
- Optional patch cord color bands snap on and off individual patch cables offering endless color-coding options
- Optional RJ45 plug lock-in device blocks unauthorized removal of cable, IP phone, other networking equipment, or critical connection



UTPSP*‡Y
UTP28SP*‡

UTP28SP*‡



UTP28SP8INBU

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
TX6™ PLUS UTP Patch Cords				
UTPSP*BUY	Category 6 UTP patch cord with TX6™ PLUS Modular Plugs on each end, CM.	Blue	1	10
UTPSP*Y	Category 6 UTP patch cord with TX6™ PLUS Modular Plugs on each end, CM.	Off White	1	10
UTPSP*BUY-Q	Category 6 UTP patch cord with TX6™ PLUS Modular Plugs on each end, CM.	Blue	25	25
UTPSP*Y-Q	Category 6 UTP patch cord with TX6™ PLUS Modular Plugs on each end, CM.	Off White	25	25
TX6-28™ UTP Patch Cords				
UTP28SP*BU	Category 6 Performance 28 AWG UTP patch cord with TX6™ Modular Plugs on each end, CM/LSZH.	Blue	1	10
UTP28SP*	Category 6 Performance 28 AWG UTP patch cord with TX6™ Modular Plugs on each end, CM/LSZH.	Off White	1	10
UTP28SP*BU-Q	Category 6 Performance 28 AWG UTP patch cord with TX6™ Modular Plugs on each end, CM/LSZH.	Blue	25	25
UTP28SP*-Q	Category 6 Performance 28 AWG UTP patch cord with TX6™ Modular Plugs on each end, CM/LSZH.	Off White	25	25
UTP28SP8INBU	Category 6 Performance 28 AWG UTP patch cord with TX6™ Modular Plugs on each end (8 inch patch cord used for direct switch patching), CM/LSZH.	Blue	1	10
UTP28SP8INBU-48	Category 6 Performance 28 AWG UTP patch cord with TX6™ Modular Plugs on each end (8 inch patch cord used for direct switch patching), CM/LSZH.	Blue	48	48

*Patch Cords available in 1, 3, 5, 7, and 10ft. lengths. For additional lengths, refer to www.panduit.com.
‡ Patch cords are listed in BU (Blue) and IW (Off White). Other colors available, replace BU in part number with BL (Black), YL (Yellow), GY (Gray), GR (Green), RD (Red), OR (Orange) or VL (Violet).
**TX6-28™ patch cords utilize 28 AWG conductors which do not meet the 22 to 26 AWG conductor size of patch cable referenced in ANSI/TIA-568-C.2, resulting in an increased attenuation de-rating value of 1.9. Supports 96 meter channels that include 90 meter permanent links. Supports 93 meter channels with 10 meters of patch cords included in the channel.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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c UL us TX5e™ and TX5e-28™ UTP Patch Cords

- Exceeds ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- Available space-saving 28 AWG cords are over 50% smaller than 24 AWG cords and provide over 100% increase in cabling capacity in pathways
- TX5e™ constructed of Category 5e, 24 AWG UTP stranded cable (nominal cable diameter 0.215 in.) and Pan-Plug® Modular Plugs; plug contacts plated with 50 microinches of gold for superior performance
- TX5e-28™ constructed of Category 5e, 28 AWG UTP stranded cable (nominal cable diameter 0.149 in.) and Pan-Plug® 28 AWG Modular Plugs; plug contacts plated with 50 microinches of gold for superior performance
- Each patch cord is 100% performance tested to component limits and wired to T568A
- Plug meets all applicable ANSI/TIA-1096-A requirements and exceeds IEC 60603-7 specifications
- Patented tangle-free latch prevents snags and provides easy release, saving time on frequent moves, adds, and changes
- Label on patch cords provide identification of performance level, length, and quality control number
- Optional patch cord color bands snap on and off individual patch cables offering endless color-coding options
- Optional RJ45 plug lock-in device blocks unauthorized removal of cable, IP phone, other networking equipment, or critical connection

UTPCH*‡Y

UTP28CH*‡

UTPCH*‡Y
UTP28CH*‡

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
TX5e™ UTP Patch Cords				
UTPCH*BUY	Category 5e UTP patch cord with Pan-Plug® Modular Plugs on each end, CM.	Blue	1	10
UTPCH*Y	Category 5e UTP patch cord with Pan-Plug® Modular Plugs on each end, CM.	Off White	1	10
UTPCH*BUY-Q	Category 5e UTP patch cord with Pan-Plug® Modular Plugs on each end, CM.	Blue	25	25
UTPCH*Y-Q	Category 5e UTP patch cord with Pan-Plug® Modular Plugs on each end, CM.	Off White	25	25
TX5e-28™ UTP Patch Cords				
UTP28CH*BU	Category 5e performance 28 AWG UTP patch cord with Pan-Plug® Modular Plugs on each end, CM/LSZH.	Blue	1	10
UTP28CH*	Category 5e performance 28 AWG UTP patch cord with Pan-Plug® Modular Plugs on each end, CM/LSZH.	Off White	1	10
UTP28CH*BU-Q	Category 5e performance 28 AWG UTP patch cord with Pan-Plug® Modular Plugs on each end, CM/LSZH.	Blue	25	25
UTP28CH*-Q	Category 5e performance 28 AWG UTP patch cord with Pan-Plug® Modular Plugs on each end, CM/LSZH.	Off White	25	25

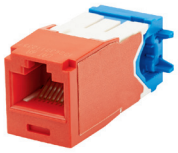
*Patch Cords available in 1, 3, 5, 7, and 10ft. lengths.. For additional lengths, refer to www.panduit.com.
‡ Patch cords are listed in BU (Blue) and IW (Off White). Other colors available, replace BU in part number with BL (Black), YL (Yellow), GY (Gray), GR (Green), RD (Red), OR (Orange) or VL (Violet).
**TX5e-28™ patch cords utilize 28 AWG conductors which do not meet the 22 to 26 AWG conductor size of patch cable referenced in ANSI/TIA-568-C.2, resulting in an increased attenuation de-rating value of 1.9. Supports 96 meter channels that include 90 meter permanent links. Supports 93 meter channels with 10 meters of patch cords included in the channel.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® TX6A™ UTP Jack Module

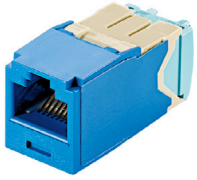
- Exceeds ANSI/TIA-568-C.2 Category 6A and IEC 60603-7-41 component standards from 1 to 500 MHz
- Superior headroom performance supported in densities up to 48 in 1 RU
- Terminates full range of 22 – 26 AWG conductors (Standard, Right Angle, Shuttered jacks) allowed per ANSI/TIA-568-C.2
- 28/30 AWG jack for terminating 28 AWG solid or stranded to 30 AWG solid conductors
- UL 1863 approved
  UL 2043 approved (standard, right angle, shuttered)
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- Blue wire cap designates Category 6A for 22 – 26 AWG
- Aqua wire cap designates Category 6A for 28 – 30 AWG
- Advanced MaTriX Technology split foil technology provides superior suppression of alien crosstalk (PSANEXT and PSAACRF)
- Utilize patented Giga-TX™ Technology for jack terminations which maintains cable pair geometry and eliminating conductor untwist
- Can be re-terminated a minimum of 20 times
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Right angle jack module or wire cap allows installation in areas with minimal depth so as not to violate cable bend radius
- Spring shuttered jack module has a spring shuttered door that opens and closes automatically with plug insertion or removal to prevent dust or debris from accumulating on contacts
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated
- Optional tool (TGJT) reduces termination time by 25% for high-volume installations

CJ6X88TGBU



CJR6X88TGRD

CJH6X88TGBL



CJT6X88TGBU

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std Ctn. Qty.
Standard Jack Modules				
CJ6X88TG‡	Category 6A, RJ45, 10 Gb/s, 8-position, 8-wire universal module.	1	1	50
CJ6X88TG‡-24	Category 6A, RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 24.	1	24	240
CJ6X88TG‡-C	Category 6A, RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 100.	1	100	100
Right Angle Jack Modules				
CJR6X88TG‡	Category 6A, RJ45, 10 Gb/s, 8-position, 8-wire universal module with right angle wire cap.	1	1	50
CJRCAPBU	Right angle wire cap for use with any TX6A™ jack.	1	10	100
Spring Shuttered Jack Module				
CJH6X88TG‡	Category 6A, RJ45, 10 Gb/s, 8-position, 8-wire universal module with spring shuttered door that automatically opens and closes with plug insertion or removal.	1	1	50
28/30 AWG Jack Module				
CJT6X88TG‡	Category 6A, RJ45, 10 Gb/s, 8-position, 8-wire universal module for 28 AWG solid/stranded to 30 AWG solid.	1	1	50

‡Colors available: IW (Off White), EI (Electric Ivory), IG (International Gray), AW (Arctic White), BL (Black), BU (Blue), GR (Green), RD (Red), OR (Orange), VL (Violet), YL (Yellow), or WH (White).
Termination tools available on page B.59.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
Contact Panduit Customer Service for bulk packaged jack modules.
Must be installed as part of a complete TX6A™ UTP Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Mini-Com® TX6A™ Shielded Jack Modules

- Exceeds ANSI/TIA-568-C.2 Category 6A and IEC 60603-7-51 component standards from 1 to 500 MHz
- Superior headroom performance supported in densities up to 48 in 1 RU
- Terminates full range of 22 – 26 AWG conductors (Standard, Right Angle, Shuttered jacks) allowed per ANSI/TIA-568-C.2
- UL 1863 approved
  UL 2043 approved
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- Blue termination cap designates Category 6A
- Integrated strain relief with wire cap provides 360º conductive path for grounding
- Fully grounded and bonded to patch panel when installed in Panduit All Metal Modular Patch Panel
- Utilize patented Giga-TX™ Technology for jack terminations which maintains cable pair geometry and eliminating conductor untwist
- Can be re-terminated a minimum of 20 times
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Spring shuttered jack module has a spring shuttered door that opens and closes automatically with plug insertion or removal to prevent dust or debris from accumulating on contacts
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated
- Optional tool (TGJT) reduces termination time by 25% for high-volume installations

CJS6X88TGY

CJSH6X88TGY

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std Ctn. Qty.
Standard Shielded Jack Modules				
CJS6X88TG‡Y	Category 6A, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module.	1	1	50
CJS6X88TG‡Y-24	Category 6A, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 24.	1	24	240
Spring Shuttered Shielded Jack Module				
CJSH6X88TG‡Y	Category 6A, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module with spring shuttered door that automatically opens and closes with plug insertion or removal.	1	1	50

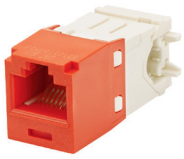
‡Shielded jack shown in black. Additional colors available: Blue (BU), Green (GR), Red (RD), Violet (VL), and Yellow (YL).
Termination tools available on page B.59.
Shield grounding requires proper installation of shielded jack module, the use of shielded patch cords, and cable.
CJSGK-XY available on page B.41.
All Metal Modular Patch Panels available on page B.57.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® TX6™ PLUS UTP Jack Modules

- Exceeds ANSI/TIA-568-C.2 Category 6 and IEC 60603-7-4 component standards from 1 to 250 MHz
- Superior headroom performance supported in densities up to 48 in 1 RU
- Terminates full range of 22 – 26 AWG conductors (Standard, Right Angle, Shuttered jacks) allowed per ANSI/TIA-568-C.2
- 28/30 AWG jack for terminating 28 AWG solid or stranded to 30 AWG solid conductors
- UL 1863 approved
  UL 2043 approved (standard, right angle, shuttered)
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- Utilize patented Giga-TX™ Technology for jack terminations which maintains cable pair geometry and eliminating conductor untwist
- Can be re-terminated a minimum of 20 times
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Right angle jack module or wire cap allows installation in areas with minimal depth so to not violate cable bend radius
- Spring shuttered jack module has a spring shuttered door that opens and closes automatically with plug insertion or removal to prevent dust or debris from accumulating on contacts
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated
- Optional tool (TGJT) reduces termination time by 25% for high volume installations
- White wire cap designates Category 6 for 22-26AWG
- Green wire cap designates Category 6 for 28-30AWG

CJ688TGBU



CJR688TGRD

CJH688TGBL

CJT688TGBU

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std Ctn. Qty.
Standard Jack Modules				
CJ688TG‡	Category 6, RJ45, 10 Gb/s, 8-position, 8-wire universal module.	1	1	50
CJ688TG‡-24	Category 6, RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 24.	1	24	240
CJ688TG‡-C	Category 6, RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 100.	1	100	100
Right Angle Jack Modules				
CJR688TG‡	Category 6, RJ45, 10 Gb/s, 8-position, 8-wire universal module with right angle wire cap.	1	1	50
CJRCAPWH	Right angle wire cap for use with any TX6™ PLUS UTP jack.	1	10	100
Spring Shuttered Jack Module				
CJH688TG‡	Category 6, RJ45, 10 Gb/s, 8-position, 8-wire universal module with spring shuttered door that automatically opens and closes with plug insertion or removal.	1	1	50
28/30 AWG Jack Module				
CJT688TG‡	Category 6, RJ45, 10 Gb/s, 8-position, 8-wire universal module for 28 AWG solid/stranded to 30 AWG solid.	1	1	50

‡Colors available: IW (Off White), EI (Electric Ivory), IG (International Gray), AW (Arctic White), BL (Black), BU (Blue), GR (Green), RD (Red), OR (Orange), VL (Violet), YL (Yellow), or WH (White).
Termination tools available on page B.59.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
To ensure optimal performance, Panduit recommends use with other Panduit TX6™ PLUS Components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Mini-Com® TX6™ PLUS Shielded Jack Modules

- Exceeds ANSI/TIA-568-C.2 Category 6 and IEC 60603-7-5 component standards from 1 to 250 MHz
- Superior headroom performance supported in densities up to 48 in 1 RU
- Terminates full range of 22 – 26 AWG conductors (Standard, Right Angle, Shuttered jacks) allowed per ANSI/TIA-568-C.2
- UL 1863 approved
  UL 2043 approved
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- White termination cap designates Category 6
- Integrated strain relief with wire cap provides 360° conductive path for grounding
- Fully grounded and bonded to patch panel when installed in Panduit all metal modular patch panel
- Utilize patented Giga-TX™ Technology for jack terminations which maintains cable pair geometry and eliminating conductor untwist
- Can be re-terminated a minimum of 20 times
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Spring shuttered jack module has a spring shuttered door that opens and closes automatically with plug insertion or removal to prevent dust or debris from accumulating on contacts
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated
- Optional tool (TGJT) reduces termination time by 25% for high-volume installations

CJS688TGY

CJSH688TGY

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
Standard Shielded Jack Modules				
CJS688TG‡Y	Category 6, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module.	1	1	50
CJS688TG‡Y-24	Category 6, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 24.	1	24	240
Spring Shuttered Shielded Jack Module				
CJSH688TG‡Y	Category 6, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module with spring shuttered door that automatically opens and closes with plug insertion or removal.	1	1	50

‡Shielded jack shown in black. Additional colors available: Blue (BU), Green (GR), Red (RD), Violet (VL), and Yellow (YL).
Termination tools available on page B.59.
Shield grounding requires proper installation of shielded jack module, the use of shielded patch cords, and cable.
All Metal Modular Patch Panels available on page B.41.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
To ensure optimal performance, Panduit recommends use with other Panduit TX6™ PLUS Components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® TX6™ PLUS Corrosive Resistant UTP Jack Module

- Injected gel and polymer material reduce area of exposed electrical contacts providing improved long-term performance in corrosive environments
- Rated for 75+ plug insertions
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6, IEEE 802.3an-2006, and ISO 11801 Class E channel standards
- Utilizes patent-pending enhanced Giga-TX™ Technology for jack termination which optimizes performance by maintaining cable pair geometry and eliminating conductor untwist
- Contacts plated with 50 microinches of gold for superior performance
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated by utilizing a smooth forward motion without impact on critical internal components for maximum reliability
- Optional termination tool (TGJT) reduces termination time up to 25%, ideal for high-volume installations
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Can be re-terminated a minimum of 20 times
- White termination cap designates Category 6 performance and provides positive strain relief; helps control cable bend radius and securely retains wires
- Terminates 4-pair, 22 — 26 AWG, 100 ohm, solid or stranded twisted pair cable
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Accepts 6 and 8-position modular plugs without damage
- Can be clearly identified with optional labels and icons
- Compatible with Mini-Com® Modular Patch Panels, Faceplates and Surface Mount Boxes
- Optional RJ45 blockout device blocks out unauthorized access to jack modules and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair, and hardware replacement
- Optional dust cap keeps out dust and debris while not in use
- Optional RJ45 lock-in device blocks unauthorized removal of cable, IP phone, other networking equipment, or critical connection
- Operating temperature of -10ºC to 70ºC (140ºF to 158ºF)

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std Ctn. Qty.
CJE688TGIW‡	Category 6, RJ45, 8-position, 8-wire, universal, corrosive resistant UTP jack module.	1	1	50

‡Jack module shown in IW (Off White). Other colors available: WH (White), BL (Black), RD (Red), or BU (Blue).
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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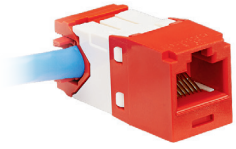
Mini-Com® TX5e™ UTP Jack Modules

- Exceeds ANSI/TIA-568-C.2 Category 5e and IEC 60603-7-2 component standards from 1 to 100 MHz
- Superior headroom performance supported in densities up to 48 in 1 RU
- Terminates full range of 22 – 26 AWG conductors (Standard, Right Angle, Shuttered jacks) allowed per ANSI/TIA-568-C.2
- 28/30 AWG jack for terminating 28 AWG solid or stranded to 30 AWG solid conductors
- UL 1863 approved
  UL 2043 approved (standard, right angle, shuttered)
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- Utilize patented Giga-TX™ Technology for jack terminations which maintains cable pair geometry and eliminating conductor untwist
- Can be re-terminated a minimum of 20 times
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Right angle jack module or wire cap allows installation in areas with minimal depth so to not violate cable bend radius
- Spring shuttered jack module has a spring shuttered door that opens and closes automatically with plug insertion or removal to prevent dust or debris from accumulating on contacts
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated
- Optional tool (TGJT) reduces termination time by 25% for high-volume installations

CJ5E88TGBU



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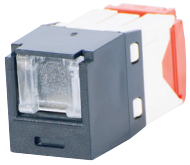
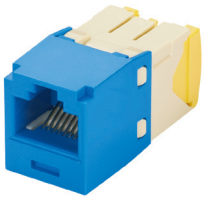


CJH5E88TGBL



CJT5E88TGBU

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
Standard Jack Modules				
CJ5E88TG‡	Category 5e, RJ45, 10 Gb/s, 8-position, 8-wire universal module.	1	1	50
CJ5E88TG‡-24	Category 5e, RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 24.	1	24	240
CJ5E88TG‡-C	Category 5e, RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 100.	1	100	100
Right Angle Jack Modules				
CJR5E88TG‡	Category 5e, RJ45, 10 Gb/s, 8-position, 8-wire universal module with right angle wire cap.	1	1	50
CJRCAPRD	Right angle wire cap for use with any TX6™ PLUS UTP jack.	1	10	100
Spring Shuttered Jack Module				
CJH5E88TG‡	Category 5e, RJ45, 10 Gb/s, 8-position, 8-wire universal module with spring shuttered door that automatically opens and closes with plug insertion or removal.	1	1	50
28/30 AWG Jack Module				
CJT5E88TG‡	Category 5e, RJ45, 10 Gb/s, 8-position, 8-wire universal module for 28 AWG solid/stranded to 30 AWG solid.	1	1	50

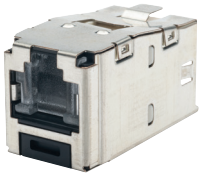
‡Colors available: IW (Off White), EI (Electric Ivory), IG (International Gray), AW (Arctic White), BL (Black), BU (Blue), GR (Green), RD (Red), OR (Orange), VL (Violet), YL (Yellow), or WH (White).
Termination tools available on page B.59.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
To ensure optimal performance, Panduit recommends use with other Panduit TX5e™ Components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® TX5e™ Shielded Jack Modules

- Exceeds ANSI/TIA-568-C.2 Category 5e and IEC 60603-7-3 component standards from 1 to 100 MHz
- Superior headroom performance supported in densities up to 48 in 1 RU
- Terminates full range of 22 – 26 AWG conductors (Standard, Right Angle, Shuttered jacks) allowed per ANSI/TIA-568-C.2
- UL 1863 approved
  UL 2043 approved
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- Integrated strain relief with wire cap provides 360° conductive path for grounding
- Fully grounded and bonded to patch panel when installed in Panduit All Metal Modular Patch Panel
- Utilize patented Giga-TX™ Technology for jack terminations which maintains cable pair geometry and eliminating conductor untwist
- Can be re-terminated a minimum of 20 times
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Spring shuttered jack module has a spring shuttered door that opens and closes automatically with plug insertion or removal to prevent dust or debris from accumulating on contacts
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated
- Optional tool (TGJT) reduces termination time up to 25% for high-volume installations

CJS5E88TGY



CJSH5E88TGY

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
Standard Shielded Jack Modules				
CJS5E88TG‡Y	Category 5e, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module.	1	1	50
CJS5E88TG‡Y-24	Category 5e, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module bulk packaged in quantities of 24.	1	24	240
Spring Shuttered Shielded Jack Module				
CJSH5E88TG‡Y	Category 5e, shielded RJ45, 10 Gb/s, 8-position, 8-wire universal module with spring shuttered door that automatically opens and closes with plug insertion or removal.	1	1	50

‡Shielded jack shown in black. Additional colors available: Blue (BU), Green (GR), Red (RD), Violet (VL), and Yellow (YL).
Termination tools available on page B.59.
Shield grounding requires proper installation of shielded jack module, the use of shielded patch cords, and cable.
All metal modular patch panels available on page B.41.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
To ensure optimal performance, Panduit recommends use with other Panduit TX5e™ Components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Mini-Com® TX5e™ Corrosive Resistant UTP Jack Module

- Injected gel and polymer material reduce area of exposed electrical contacts providing improved long-term performance in corrosive environments
- Rated for 75+ plug insertions
- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e, IEEE 802.3an-2006, and ISO 11801 Class D channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 5e and IEC 60603-7-2 Category 5e component standards
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt, type 3 and 4 for PoE applications up to 100W
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability
- Utilizes patent-pending enhanced Giga-TX™ Technology for jack terminations which optimizes performance by maintaining cable pair geometry and eliminating conductor untwist
- Contacts plated with 50 microinches of gold for superior performance
- No punchdown tool required; termination tool (EGJT) ensures conductors are fully terminated by utilizing a smooth forward motion without impact on critical internal components for maximum reliability
- Optional termination tool (TGJT) reduces termination time by 25%, ideal for high volume installations
- Can be re-terminated a minimum of 20 times
- Red termination cap designates Category 5e performance and provides positive strain relief; helps control cable bend radius and securely retains wires
- Terminates 4-pair, 22 – 26 AWG, 100 ohm, solid or stranded twisted pair cable
- Universal termination cap is color-coded for T568A and T568B wiring schemes
- Accepts 6 and 8-position modular plugs without damage
- Can be clearly identified with optional labels and icons
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes
- Optional RJ45 blockout device blocks out unauthorized access to jack modules and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair, and hardware replacement
- Optional dust cap keeps out dust and debris while not in use
- Operating temperature of -10ºC to 70ºC (140ºF to 158ºF)

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CJE5E88TGIW‡	Corrosive resistant, Category 5e, RJ45, 8-position, 8-wire universal module.	1	1	50

‡Jack module shown in IW (Off White). Other colors available: WH (White), BL (Black), RD (Red), or BU (Blue).
Termination tools available on page B.59.
RJ45 blockout device available on page B.57.
Dust cap available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

TX6A™ UTP Modular Plugs

- Exceeds ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E_A performance requirements when properly terminated to Panduit Category 6A UTP copper cable
- Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Patented tangle free latch prevents snags and provides easy release, saving time and providing reliability on frequency moves, adds, and changes
- Exceeds IEC 60603-7 specifications
- Contacts plated with 50 microinches of gold
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)

SP6X88-C

Part Number	Part Description	Wire Gauges	Cable Diameter Range	Insulation Diameter Range	Std. Pkg. Qty.	Std. Ctn. Qty.
SP6X88-C	Category 6A, 8-position, 8-wire modular plug for use with Panduit TX6A™ UTP Copper Cable.	23 – 24	0.275 (6.99mm) to 0.315 in. (8.00mm)	0.040 (1.02mm) to 0.048 in. (1.22mm)	100	1000
SP6X88P-C	Category 6A, 8-position, 8-wire modular plug for use with Panduit 24 AWG or stranded Category 6A UTP patch cable.	24	0.260 (6.60mm) to 0.300 in. (7.62mm)	0.036 (0.91mm) to 0.042 in. (1.07mm)	100	1000
SP6X88SD-C	Category 6A, 8-position, 8-wire modular plug for use with Panduit TX6A-SD™ UTP Copper Cable.	26	0.220 (5.59mm) to 0.250 in. (6.35mm)	0.025 (0.64mm) to 0.030 in. (0.76mm)	100	1000

MPT5-8AS crimp tool required for termination, available on page 59.
WPT-8 wire prep tool recommended for termination, available on page 59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

TX6™ PLUS UTP Modular Plugs

- Exceeds ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E performance requirements when properly terminated
- Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Patented tangle-free latch prevents snags and provides easy release, saving time and providing reliability on frequency moves, adds, and changes
- Exceeds IEC 60603-7 specifications
- Contacts plated with 50 microinches of gold
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)

SP688-C

SP628-C

Part Number	Part Description	Wire Gauges	Cable Diameter Range	Insulation Diameter Range	Std. Pkg. Qty.	Std. Ctn. Qty.
SP688-C	Category 6, 8-position, 8-wire modular plug.	23 – 24	0.225 (5.72mm) to 0.250 in. (6.35mm)	0.036 (0.91mm) to 0.042 in. (1.07mm)	100	1000
SP630-C	Category 6, 8-position, 8-wire modular plug for use with 30 AWG cable.	30	0.122 (3.10mm) to 0.130 in. (3.30mm)	Max 0.021 in. (0.533mm)	100	1000
SP628-C	Category 6, 8-position, 8-wire modular plug for use with 28 AWG cable.	28	0.138 (3.50mm) to 0.189 in. (4.80mm)	Max 0.027 in. (0.686mm)	100	1000

MPT5-8AS crimp tool required for termination, available on page B.59.
WPT-8 wire prep tool recommended for termination, available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Pan-Plug® Category 5e UTP Modular Plugs

- Exceeds ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D performance requirements when properly terminated
- Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Single piece design plugs requires no load bar and the guide ramp facilities easy conductor insertion and termination
- Patented tangle-free latch prevents snags and provides easy release, saving time and providing reliability on frequency moves, adds, and changes
- Exceeds IEC 60603-7 specifications
- Contacts plated with 50 microinches of gold
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)

MP588-C

MP528-C

Part Number	Part Description	Wire Gauges	Cable Diameter Range	Insulation Diameter Range	Std. Pkg. Qty.	Std. Ctn. Qty.
MP588-L	Category 5e, 8-position, 8-wire modular plug.	24	0.208 (5.28mm) to 0.259 in. (6.58mm)	0.037 (0.94mm) to 0.042 in. (1.07mm)	50	250
MP588-C	Category 5e, 8-position, 8-wire modular plug.	24	0.208 (5.28mm) to 0.259 in. (6.58mm)	0.037 (0.94mm) to 0.042 in. (1.07mm)	100	1000
MP588-M	Category 5e, 8-position, 8-wire modular plug.	24	0.208 (5.28mm) to 0.259 in. (6.58mm)	0.037 (0.94mm) to 0.042 in. (1.07mm)	1000	5000
MP528-C	Category 5e, 8-position, 8-wire modular plug for use with 28 AWG cable.	28	0.138 (3.51mm) to 0.162 in. (4.11mm)	0.023 (0.58mm) to 0.027 in. (0.69mm)	100	1000
MP528-M	Category 5e, 8-position, 8-wire modular plug for use with 28 AWG cable.	28	0.138 (3.51mm) to 0.162 in. (4.11mm)	0.023 (0.58mm) to 0.027 in. (0.69mm)	1000	5000
MP530-C	Category 5e, 8-position, 8-wire modular plug for use with 30 AWG cable.	30	0.122 (3.10mm) to 0.130 in. (3.30mm)	Max 0.021 in. (0.533mm)	100	1000

MPT5-8AS crimp tool required for termination, available on page B.59.
WPT-8 wire prep tool recommended for termination, available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

TX6A™ Shielded Modular Plug

- Exceeds ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E_A performance requirements when properly terminated to Panduit Category 6A UTP copper cable
- Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Patented tangle-free latch prevents snags and provides easy release, saving time and providing reliability on frequency moves, adds, and changes
- Exceeds IEC 60603-7 specifications
- Contacts plated with 50 microinches of gold
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Shielded plug housing provides conductive path for grounding

Part Number	Part Description	Wire Gauges	Cable Diameter Range	Insulation Diameter Range	Std. Pkg. Qty.	Std. Ctn. Qty.
SPS6X88-C	Category 6A, 8-position, 8-wire shielded modular plug.	23 – 24	Max 0.320 in. (8.13mm)	Max 0.047 in. (1.19mm)	100	1000

MPT5-8AS crimp tool required for termination, available on page B.59.
WPT-8 wire prep tool recommended for termination, available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

TX6™ PLUS Shielded Modular Plug

- Exceeds ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E performance requirements when properly terminated to Panduit Category 6A UTP copper cable
- Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Patented tangle-free latch prevents snags and provides easy release, saving time and providing reliability on frequency moves, adds, and changes
- Exceeds IEC 60603-7 specifications
- Contacts plated with 50 microinches of gold
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Shielded plug housing provides conductive path for grounding

Part Number	Part Description	Wire Gauges	Cable Diameter Range	Insulation Diameter Range	Std. Pkg. Qty.	Std. Ctn. Qty.
SPS688-C	Category 6, 8-position, 8-wire shielded modular plug.	23 – 24	0.230 (5.84mm) to 0.265 in. (6.73mm)	0.036 (0.91mm) to 0.042 in. (1.07mm)	100	1000

MPT5-8AS crimp tool required for termination, available on page 59.
WPT-8 wire prep tool recommended for termination, available on page 59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Pan-Plug® Category 5e Shielded Modular Plug

- Exceeds ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D performance requirements when properly terminated
- Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Shielded plug housing provides conductive path for grounding
- Single piece design plugs requires no load bar and the guide ramp facilities easy conductor insertion and termination
- Patented tangle-free latch prevents snags and provides easy release, saving time and providing reliability on frequency moves, adds, and changes
- Exceeds IEC 60603-7 specifications
- Contacts plated with 50 microinches of gold
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)

Part Number	Part Description	Wire Gauges	Cable Diameter Range	Insulation Diameter Range	Std. Pkg. Qty.	Std. Ctn. Qty.
MPS588-C	Category 5e, 8-position, 8-wire shielded modular plug.	24 – 26	0.210 (5.33mm) to 0.250 in. (6.35mm)	Max 0.040 in. (1.02mm)	100	1000

MPT5-8AS crimp tool required for termination, available on page B.59.
WPT-8 wire prep tool recommended for termination, available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Mini-Com® Category 6A UTP Coupler Module

- Only one coupler can be used per channel while maintaining ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E_A channel performance
- RJ45 8-position, 8-wire female to RJ45 8-position, 8-wire female pass-through module provides fast and easy plug and play connection of 6 and 8-position RJ45 patch cords
- UL 1863 approved
- Meets IEC 60603-7
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- No tools required
- Can be clearly identified with optional labels and icons
- Compatible with Mini-Com® Modular Patch Panels and Faceplates; not suitable for Surface Mount box applications
- Optional RJ45 blockout device blocks out unauthorized access to jack modules and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair, and hardware replacement
- Optional dust cap keeps out dust and debris while not in use

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CC6X88BL‡	Category 6A, RJ45, 8-position, 8-wire universal coupler module.	1	1	50

‡Coupler module shown in BL (Black). Other colors available: IW (Off White).
RJ45 blockout device available on page B.59.
Dust cap available on page B.59.
TX6A™ UTP Patch Cords available on page B.13.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Mini-Com® Category 6 UTP Coupler Module

- Up to 4 couplers can be used per channel while maintaining ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E channel performance
- RJ45 8-position, 8-wire female to RJ45 8-position, 8-wire female pass-through module provides fast and easy plug and play connection of 6 and 8-position RJ45 patch cords
- Meets IEC 60603-7
- UL 1863 approved
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- No tools required
- Can be clearly identified with optional labels and icons
- Compatible with Mini-Com® Modular Patch Panels and Faceplates; not suitable for Surface Mount box applications
- Optional RJ45 blockout device blocks out unauthorized access to jack modules and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair, and hardware replacement
- Optional dust cap keeps out dust and debris while not in use

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CC688BL‡	Category 6, RJ45, 8-position, 8-wire universal coupler module.	1	1	50

‡Coupler module shown in BL (Black). Other colors available: IW (Off White).
RJ45 blockout device available on page B.59.
Dust cap available on page B.59.
TX6™ PLUS UTP Patch Cords available on page B.13.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® Category 5e UTP Coupler Module

- Up to 4 couplers can be used per channel while maintaining ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D channel performance
- RJ45 8-position, 8-wire female to RJ45 8-position, 8-wire female pass-through module provides fast and easy plug and play connection of 6 and 8-position RJ45 patch cords
- Meets IEC 60603-7
- UL 1863 approved
- Operating temperature of -10ºC to 65ºC (14ºF to 149ºF)
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Meets IEC 60512-99-001 for 2500 cycles of engaging and separating conductors under electrical load
- Contacts plated with 50 microinches of gold
- Accept 6 and 8-position modular plugs without damage
- No tools required
- Can be clearly identified with optional labels and icons
- Compatible with Mini-Com® Modular Patch Panels and Faceplates; not suitable for Surface Mount box applications
- Optional RJ45 blockout device blocks out unauthorized access to jack modules and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair, and hardware replacement
- Optional dust cap keeps out dust and debris while not in use

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CC5E88BL‡	Category 5e, RJ45, 8-position, 8-wire universal coupler module.	1	1	50

‡Coupler module shown in BL (Black). Other colors available: IW (Off White).
RJ45 blockout device available on page B.59.
Dust cap available on page B.59.
TX5e™ UTP Patch Cords available on page B.14.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Mini-Com® Mini-Jack™ Category 3 UTP Jack Modules

- Patented lead frame termination style ensures twists are maintained to within 1/2"
- No punchdown tool required, optional termination tool (CJT-X) ensures conductors are fully terminated
- Termination cap provides excellent strain relief; helps control cable bend radius and securely retains wires
- Clear, removable termination cap provides easy troubleshooting
- Terminate 4-pair 24 and 22 AWG 100 ohm solid unshielded twisted pair cable
- Accept 6 and 8-position modular plugs without damage
- White colored module base designates Category 3 performance
- Can be clearly identified with optional labels and icons
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes
- Optional RJ45 blockout device blocks out unauthorized access to jack modules and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair, and hardware replacement
- Optional dust cap keeps out dust and debris while not in use

CJ88IWY

CJ66UIWY

CJ66IWY

CJ64IWY

Part Number	Part Description	No. of Module Spaces	Color*	Std. Pkg. Qty.	Std. Ctn. Qty.
CJ88IWY*	Category 3, 8-position, 8-wire universal module.	1	Off White	1	50
CJ66UIWY*	Category 3, 6-position, 6-wire USOC module.	1	Off White	1	50
CJ66IWY*	Category 3, 6-position, 6-wire universal module.	1	Off White	1	50
CJ64IWY*	Category 3, 6-position, 4-wire universal module.	1	Off White	1	50

*For standard colors other than Off White, replace IW in part number with EI (Electric Ivory), WH (White), IG (International Gray), YL (Yellow), or BL (Black).
Termination tools available on page B.59.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

QuickNet™ Category 6 Switch Harnesses with 28 AWG Cabling

- Bring unprecedented levels of installation speed, consistency, and clean aesthetics to the cabling in network racks and IDFs/MDFs
- Built using Panduit Category 6 performance 28 AWG patch cabling, the harnesses have a small bundle size and are highly flexible for excellent routability
- Two basic types of switch harnesses meet the needs of the most common switch-to-panel cabling approaches
- Harnesses are readily available in popular lengths and configurations, and can also be ordered in a range of customer-specified lengths and configurations
- For quick and easy switch port replication, 12-cable Switch Port Harnesses are available to provide the same vertically numbered port layout at the patch panel as on the switch ports
- Available with Plug Packs in 6, 8, or 12-pack configurations for optimal switch compatibility
- Recessed Plug Pack version available when additional clearance is required at the switch port
- Integrated finger latch enables quick, one-handed installation and removal from switch
- Plug meets all applicable FCC part 68 Sub part F requirements and exceeds IEC 60603-7 specifications
- Meet requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
- Each patch cord is 100% performance tested
- Available in Category 6 Performance level for UTP installations (contact Panduit Customer Service for availability of Category 6A UTP or shielded assemblies)
- Cable and modular jack color is blue; plug pack color is blue, recessed version color is silver

12-Cable Switch Patching Harness (Plugs at Panel End)

12-Cable Switch Port Harness (Jacks at Panel End)

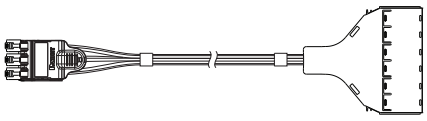
Standard Parts – Switch Patching Harnesses (Plug-To-Plug Type)

Plug Pack to Loose Plug

6-Cable with Plug Pack	6-Cable with Recessed Plug Pack	8-Cable with Plug Pack	12-Cable with Plug Pack
QPPSDBAB**	QPPSDBRS**	QPPSDBDB**	QPPSDBBB**

**Length in feet. Lengths of 3, 5, 7, 10, and 14 (indicated as 03, 05, 07, 10, and 14)

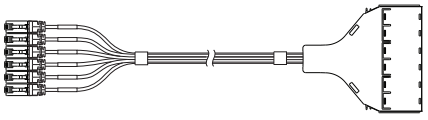
Standard Parts – Switch Port Harnesses (Plug-To-Jack Type)



Plug Pack to Cassette

6-Cable with Plug Pack	6-Cable with Recessed Plug Pack	12-Cable with Plug Pack
QPCSDBABB**	QPCSDBRSB**	QPCSDBBBB**

**Length in feet. Lengths of 5, 7, 10, 14, and 20 feet (indicated as 05, 07, 10, 14, and 20)



Loose Plug to Cassette

6-Cable with Plug Pack	12-Cable with Plug Pack
QPCSDB6XB**	QPCSDBWXB**

**Length in feet. Lengths of 5, 7, 10, 14, and 20 feet (indicated as 05, 07, 10, 14, and 20)

Other cable color and end configurations may be available, contact Panduit Customer Service for details.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

QuickNet™ Plug Pack Housings

- Facilitate quick and easy connection and disconnection of multiple patch cords, simultaneously to a variety of switches, reducing time and cost associated when installing and maintaining structured cabling links
- Available in 6, 8, or 12-pack configurations for optimal switch compatibility
- Recessed version available when additional clearance is required at the switch port
- Integrated finger latch enables quick, one-handed installation and removal from switch
- Low profile design allows assemblies to be installed side by side or stacked on top of each other providing maximum port density in high-density installations
- Marker ties enable easy identification in high density installations and provides additional level of security when used with optional lock in device
- Optional removal tool (QPPRT) facilitates removal of individual cable links without disrupting service to other network connections
- Optional lock in device (QPPLD6-X or QPPLD8-X) prevents unintentional removal of assembly from the switch for an additional level of security

QPPN6BU

QPPNR6S

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
QPPN6BU‡	QuickNet™ Plug Pack accepts six Panduit RJ45 modular plugs.	1	10
QPPN8BU‡	QuickNet™ Plug Pack accepts eight Panduit RJ45 modular plugs.	1	10
QPPN12BU‡	QuickNet™ Plug Pack accepts twelve Panduit RJ45 modular plugs.	1	10
QPPNR6S	QuickNet™ Recessed Plug Pack accepts six Panduit RJ45 modular plugs.	1	10

‡Plug Pack housing shown in BU (Blue). Other colors available: BL (Black), RD (Red), or WH (White).
Recessed Plug Pack available in silver only.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

QuickNet™ Plug Pack Removal Tool

- Allows individual patch cords to be removed from a plug pack without disruption of other network connections
- Compatible with 6, 8, and 12-pack QuickNet™ Plug Pack Assemblies

Part Number	Part Description	Std. Pkg. Qty.
QPPRT	Removal tool allows individual patch cords to be removed from a plug pack without disruption of other network connections.	1

QuickNet™ Plug Pack Lock-in Device

- Prevents unintentional removal of QuickNet™ Plug Pack Assembly from the switch
- Marker tie (included with assembly) can be used to connect plug pack and lock-in device for additional level of security
- Two recommended per plug pack

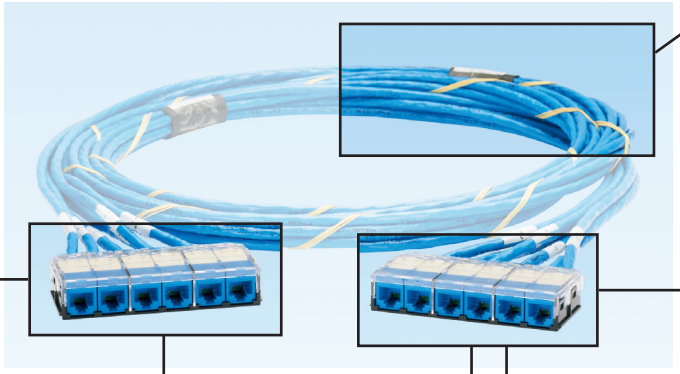
QPPLD6-X

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
QPPLD6-X	Lock-in device prevents unauthorized removal of patch cords from 6 and 12-pack plug pack.	10	100
QPPLD8-X	Lock-in device prevents unauthorized removal of patch cords from 8-pack plug pack. Recommended quantity two per 8-pack.	10	100

Recommended quantity two QPPLD6 per 6-pack plug pack, four QPPLD6 per 12-pack plug pack, and two QPPLD8 per 8-plug pack plug pack.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

QuickNet™ Cable Assembly Components



Cable

Factory-bundled trunk of six cables.

Cable types:

- UTP – Cat 6, Cat 6A, Cat 6A SD (Small Diameter)
- STP – Cat 6A

End 1

End 2

End 1 and End 2 Options

UTP Cassette

Shielded Cassette

UTP Jack Modules

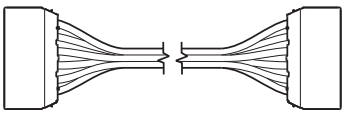
UTP Modular Plugs

End 2 only Options

Unterminated

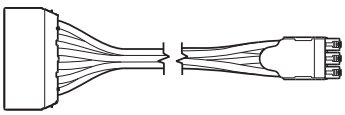
6-Port Plug Pack

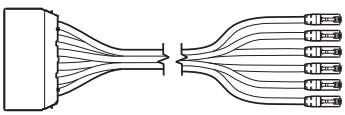
Common QuickNet™ Cable Assembly Configurations



Cassette to Cassette

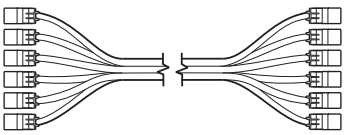
- Cassette of six jack modules on both ends of assembly
- Typically used in cabinet-to-cabinet permanent link trunks
- Installs into QuickNet™ Patch Panels on both ends in common interconnect and cross connect architectures, with cassette enabling quick installation into panels
- The most common QuickNet™ Configuration for permanent link trunks
- QuickNet™ Standard Parts for the Americas: UTP cassette-cassette, blue cable, blue jack modules





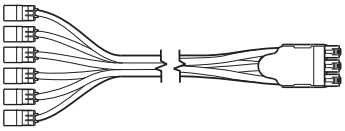
Cassette to Plug Pack/Cassette to Plug

- Similar configuration as above, but with plug pack of six modular plugs on one end or six loose modular plugs
- Typically used for in-cabinet or cabinet-to-cabinet equipment cord harnesses
- Installs into QuickNet™ Patch Panels on one end and switch ports on the other for switch port replication applications
- Plug pack enables quick installation and removal of modular plugs into switch ports



Jack to Jack

- Six loose jack modules on both ends of assembly
- Typically used in cabinet-to-cabinet permanent link trunks
- Installs into Mini-Com® Modular Patch Panels (or QuickNet™ Patch Panels with panel adapters) on both ends in common interconnect and cross connect architectures
- Compatible with PViQ™ and PanView™ Intelligent Modular Patching Systems

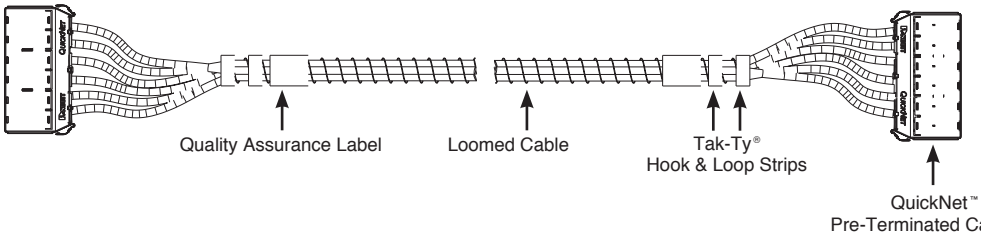


Jack to Plug Pack

- Similar configuration as above, but with plug pack of six modular plugs on one end
- Typically used for in-cabinet or cabinet-to-cabinet equipment cord harnesses
- Installs into Mini-Com® Modular Patch Panels on one end and switch ports on the other for switch port replication applications
- Plug pack enables quick installation and removal of modular plugs into switch ports

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

QuickNet™ Configure to Order Cable Assemblies



Ordering Information

Part Number Example:

Q	Z	P	B	C	B	C	B	X	X	10
1	2	3	4	5	6	7	8	9	10	11

Example – The above part number is a 10 foot QuickNet™ Cable Assembly constructed of Category 6A, UTP, plenum cable (blue) with a pre-terminated cassette (blue jacks installed) on each end.

1 – Q = **QuickNet™**

2 – Performance Level
C = Category 6 UTP
E = Category 6A (TX6A™ 10Gig) Shielded
X = Category 6A (TX6A-SD™ 10Gig) UTP MaTriX
Z = Category 6A (TX6A™ 10Gig) UTP MaTriX

3 – Flame/Smoke Rating
R = Riser or P = Plenum

4 – Cable Color
B = Blue or W = White

5 – Termination End 1
C = Cassette
J = Jack modules
P = Modular plugs
K = Jack modules staggered right
L = Jack modules staggered left
Q = Modular plugs staggered right
S = Modular plugs staggered left

6 – Termination End 1 Color Options

Jack Module Color Options
B = Blue, E = Electric Ivory, G = Green, H = Off White, I = International Gray, L = Black, O = Orange, R = Red, V = Violet, W = White, Y = Yellow
Shielded Jack Modules, chose option L (all Shielded Jack Modules are Black)

Modular Plug and Unterminated Color Options
X = No color option available, all modular plugs are clear

7 – Termination End 2
C = Cassette
J = Jack modules
P = Modular plugs
A = Plug pack (6-pack)
R = Recessed plug pack (6-pack)
K = Jack modules staggered right
L = Jack modules staggered left
Q = Modular plugs staggered right
S = Modular plugs staggered left
U = Unterminated
O = Unterminated with cassette and jack modules for on-site termination

8 – Termination End 2 Color Options

Jack Module Color Options
B = Blue, E = Electric Ivory, G = Green, H = Off White, I = International Gray, L = Black, O = Orange, R = Red, V = Violet, W = White, Y = Yellow
Shielded Jack Modules, chose option L (all Shielded Jack Modules are Black)

Plug Pack Color Options
B = Blue, W = White, R = Red, L = Black

Recessed Plug Pack Color Option
S = Silver

Modular Plug and Unterminated Color Option
X = No color option available, all modular plugs are clear

9 – Assembly Options
P = Pulling eye
X = No assembly options requested

10 – Custom Labeling*
L = Custom assembly label
C = Custom cable labels
B = Custom assembly and cable labels
X = No custom labels requested

11 – Assembly Length**
10' to 295' (one foot increments)

*Custom cable assembly labels are available up to eighteen characters; individual cable labels are available up to fifteen characters.

**For cable assemblies constructed of Category 6A (TX6A-SD™ 10Gig™) UTP MaTriX Copper Cable, the maximum length is 196 ft. (60m).

All connectivity is wired T568B. Category 6 Enhanced Performance level utilizes Panduit® TX6500™ Category 6 UTP Cable.

Permanent link test results shipped with each cable assembly.

Order number of pieces required, in multiples of Standard Package Quantity.

SFP+ 10 Gb/s Direct Attach Passive Cable Assemblies

- Meet SFF-8431, 8432, 8472 industry standards to support 10 Gigabit Ethernet
- Ideal for Top of Rack (ToR) switch to server applications
- Passive connection provides a low cost, short reach interconnect option without additional power requirements
- Constructed with high-speed, 2-pair, twinaxial cable, factory terminated to SFP+ 10 Gb/s hot pluggable modular connectors
- 100% performance tested
- Low profile latching mechanism in connector allows assemblies to be installed side by side or stacked on top of each other providing maximum port density in high-density installations
- Small diameter cable design enables superior cable management and improved air flow
- Robust strain relief boot provides proper bend radius control for consistent reliability
- Variety of standard lengths allow more precise deployment, improved cable management and cost efficiencies

PSF1PXA0.5MBU

Part Number	Length (m)	Length (Ft.)	Cable Gauge	Nominal Cable O.D.		Cable Jacket	Std. Pkg. Qty.	Std. Ctn. Qty.
				mm	In.			
PSF1PXA0.5MBU‡	0.5	1.6	30 AWG	4.1	0.161	PVC	1	10
PSF1PXA1MBU‡	1	3.3	30 AWG	4.1	0.161	PVC	1	10
PSF1PXA1.5MBU‡	1.5	4.9	30 AWG	4.1	0.161	PVC	1	10
PSF1PXA2MBU‡	2	6.6	30 AWG	4.1	0.161	PVC	1	10
PSF1PXA2.5MBU‡	2.5	8.2	30 AWG	4.1	0.161	PVC	1	10
PSF1PXA3MBU‡	3	9.8	30 AWG	4.1	0.161	PVC	1	10
PSF1PXA3.5MBU‡	3.5	11.5	30 AWG	4.1	0.161	PVC	1	10
PSF1PXD4MBU‡	4	13.1	24 AWG	6.0	0.236	PVC	1	10
PSF1PXD4.5MBU‡	4.5	14.4	24 AWG	6.0	0.236	PVC	1	10
PSF1PXD5MBU‡	5	16.4	24 AWG	6.0	0.236	PVC	1	10
PSF1PXD5.5MBU‡	5.5	17.6	24 AWG	6.0	0.236	PVC	1	10
PSF1PXD6MBU‡	6	19.7	24 AWG	6.0	0.236	PVC	1	10
PSF1PXD6.5MBU‡	6.5	20.8	24 AWG	6.0	0.236	PVC	1	10
PSF1PXD7MBU‡	7	23.0	24 AWG	6.0	0.236	PVC	1	10

‡Direct Attach Passive Cable Assemblies shown in BU (Blue). Other colors available: WH (White), BL (Black), RD (Red), GR (Green), or OR (Orange).
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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SFP+ 10 Gb/s Direct Attach Active Cable Assemblies

- Meet SFF-8431, 8432, 8472 industry standards to support 10 Gigabit Ethernet
- Ideal for Top of Rack (ToR) and End of Row (EoR) switch to server applications
- Fibre Channel over Ethernet (FCoE) capable
- Connector contains low power circuitry to extend beyond passive cable assemblies
- Constructed with high-speed, 2-pair, twinaxial cable, factory terminated to SFP+ 10Gbps hot pluggable modular connectors
- 100% performance tested
- Low profile latching mechanism in connector allows assemblies to be installed side by side or stacked on top of each other providing maximum port density in high-density installations
- Small diameter cable design enables superior cable management and improved air flow
- Robust strain relief boot provides proper bend radius control for consistent reliability
- Variety of standard lengths allow more precise deployment, improved cable management, and cost efficiencies

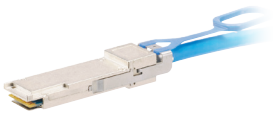
PSF1AXA3MBU

Part Number	Length (m)	Length (Ft.)	Cable Gauge	Nominal Cable O.D.		Cable Jacket	Std. Pkg. Qty.	Std. Ctn. Qty.
				mm	In.			
PSF1AXA3MBU‡	3	9.84	30 AWG	4.1	1.61	PVC	1	10
PSF1AXA5MBU‡	5	16.40	30 AWG	4.1	1.61	PVC	1	10
PSF1AXD7MBU‡	7	22.97	24 AWG	6	0.23	PVC	1	10
PSF1AXD8MBU‡	8	26.25	24 AWG	6	0.23	PVC	1	10
PSF1AXD9MBU‡	9	29.53	24 AWG	6	0.23	PVC	1	10
PSF1AXD10MBU‡	10	32.81	24 AWG	6	0.23	PVC	1	10

‡Direct Attach Active Cable Assemblies shown in BU (Blue). Other colors available: WH (White), BL (Black), RD (Red), GR (Green), or OR (Orange).
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

QSFP+ 40Gig Direct Attach Copper Cable Assemblies

- Compliant to IEEE 802.3ba and SFF-8436 for use in 40GBASE-CR4 applications
- EEPROM compliant to SFF-8436 ensures interoperability with 40 Gigabit Ethernet equipment
- Low latency is ideal for use in high-performance computer clustering, financial trading, and other latency sensitive applications
- Low profile latching allows high-density belly-to-belly installation
- Constructed with 8-pair twinaxial cable factory terminated to QSFP+ 40 Gb/s hot pluggable modular connectors
- 100% tested for assured system performance
- Available for 40GBASE-CR4 Ethernet applications for distances up to 7 meters
- Advanced proprietary connector paddle card design reduces crosstalk



PQSFPXA1MBU

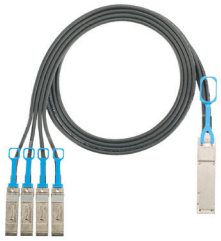
Part Number	Part Description	Length (m)	AWG Size	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
40GBASE-CR4						
PQSFPXA1MBU	40GBASE-CR4 Ethernet high-speed twinaxial cable assembly with QSFP+ 40 Gb/s hot pluggable modular connectors on each end.	1	30	Blue	1	10
PQSFPXA2MBU		2	30	Blue	1	10
PQSFPXA3MBU		3	30	Blue	1	10
PQSFPXB4MBU		4	28	Blue	1	10
PQSFPXC5MBU		5	26	Blue	1	10
PQSFPXD6MBU		6	24	Blue	1	10
PQSFPXD7MBU		7	24	Blue	1	10

For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

QSFP+ to Four SFP+ Copper Hydra Cable Assemblies

- Compliant to SFF-8431 and 8436, which allows compatibility with 40GBASE-CR4 QSFP+ and 10 GbE SFP+ enabled equipment; hot pluggable to QSFP+/SFP+ compliant host ports
- Ideal for Top of Rack (ToR) applications
- EEPROM compliant to SFF-8472 and 8436, which ensures interoperability with 10 GbE and 40 GbE equipment
- Passive low power provides a low cost alternative to fiber optics up to 3.5 meters
- Low latency performance is ideal for high-performance computer clustering, financial trading, and other latency sensitive applications
- Constructed of high-speed twinaxial cable factory terminated to QSFP+ and SFP+ modular connectors
- Advanced connector design and continuous shielding throughout the assembly provide excellent resistance to EMI and alien crosstalk
- Tak-Ty® Hook & Loop Cable Ties allow adjustable breakout points on the hydra end of the cable assembly
- QSFP+ connectors triple switch port density, which is ideal for high-density deployment
- Robust easy-to-use latching feature allows high-density belly-to-belly installation



Part Number	Part Description	Length (m)	AWG Size	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
PHQ4SFPXA1MBL	High-speed, 2-pair, twinaxial cable, factory terminated to QSFP+ and four SFP+ modular connectors.	1	30	Black	1	10

For lengths other than 1 meter (1.5, 2, 2.5, 3, 3.5) change the length designation in the part number to the desired length. For example, the part number for a 2-meter cable assembly is PHQ4SFPXA2MBL.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Mini-Com® Blank Module

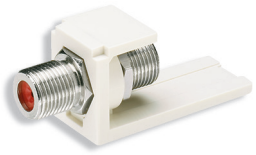
- Secures opening to prevent tampering
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMBIW-X‡	1-position, reserves space for future use.	1	10	50

‡Blank Module shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

Mini-Com® F-Type Module

- Typical use in CATV applications
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes
- Accepts RG-6 and RG-59 coaxial cable



Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMFIW‡	Module supplied with 75 ohm industry standard F-type coupler.	1	1	10

‡F-Type Module shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

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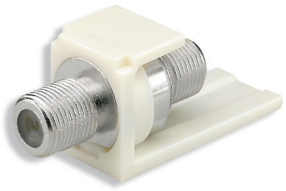
Mini-Com® Self-Terminating F-Type Module

- Eliminates need for termination cap on connector
- Automatically puts 75 ohm load on cable run when cable is disconnected
- Reduces noise and interference on the line
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes
- Accepts RG-6 and RG-59 coaxial cable
- Rated 2 GHz

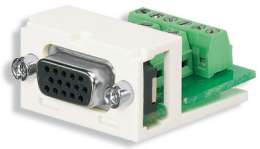


Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMFSRIWY‡	Module supplied with 75 ohm self-terminating F-type coupler.	1	1	10

‡Self-terminating F-Type Module shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

Mini-Com® 15-Pin High-Density D-Subminiature Module

- Field terminable module features 15-pin screw terminal
- Dual module configuration allows it to be installed in Mini-Com® Faceplates (plastic and stainless steel)
- SVGA compatible
- Compatible with select Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes

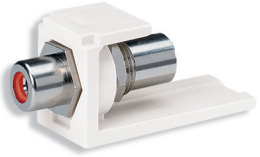


Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMD15HDIWY‡	2-position module supplied with one 15-pin DB connector mounted to a printed circuit board; terminates on site.	2	1	10

‡D-Subminiature Module shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

Mini-Com® RCA Pass-Through Modules

- Supplied with one RCA coupler
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes



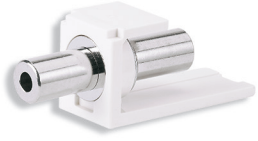
CMRPRIW

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMRPRIW‡	Module supplied with one RCA pass-through coupler with red insert.	1	1	10
CMRPYIW‡	Module supplied with one RCA pass-through coupler with yellow insert.	1	1	10
CMRPWIW‡	Module supplied with one RCA pass-through coupler with white insert.	1	1	10
CMRPBIW‡	Module supplied with one RCA pass-through coupler with blue insert.	1	1	10
CMRPGIW‡	Module supplied with one RCA pass-through coupler with green insert.	1	1	10

‡RCA Pass-Through Modules shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

Mini-Com® 3.5mm Stereo Coupler Modules

- Accept male plug found on typical stereo headsets
- Compatible with Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes



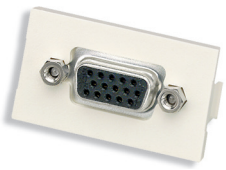
Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CM35MSCIWY‡	3.5mm stereo coupler module.	1	1	10

‡Stereo Connector and Coupler Modules shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

Order number of pieces required, in multiples of Standard Package Quantity.

D-Subminiature Inserts

- Used in audio and video applications
- Compatible with classic and executive faceplate frames



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CHD15HDCIWY‡	1/3 insert with 15-pin high-density female to female coupler; SVGA capable.	1	10

‡D-Subminiature Inserts shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
Compatible with classic and executive faceplate frames on pages D.2-D.3.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

RCA 1/3 Inserts

- Used in audio and video applications
- Compatible with classic and executive faceplate frames

CHR3RGBIW

CHR3WYRIW

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CHR3RGBIW‡	1/3 insert with three RCA pass-through couplers. RCA insert colors are red, green, and blue. R,G,B component video.	1	10
CHR3WYRIW‡	1/3 insert with three RCA pass-through couplers. RCA insert colors are white, yellow, and red. Composite video and left and right stereo.	1	10

‡RCA 1/3 Inserts shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
Compatible with classic and executive faceplate frames available on pages D.2-D.3.

Mini-Com® HDMI Coupler

- Delivers audio and video signals in digital format
- Supports Category 1 (standard) and Category 2 (high-speed) HDMI cable
- Backwards compatible
- Compatible with select Mini-Com® Modular Patch Panels, Faceplates, and Surface Mount Boxes
- Length limitation determined by quality of the cable and type of device installed; Twinaxial cable recommended

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMHDMIIW‡	Type A female to female Category 2 coupler module.	2	1	10

‡HDMI Coupler shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

Mini-Com® USB Coupler

- Interface for transmitting data between devices such as scanners, digital cameras, printers, etc.
- Supports cable lengths up to 15 feet between devices
- Accepts USB 2.0 Patch Cords and is backwards compatible with USB 1.1 Patch Cords
- Compatible with all Mini-Com® Faceplates, Patch Panels and select Surface Mount Boxes

Part Number	Part Description	No. of Module Spaces	Std. Pkg. Qty.	Std. Ctn. Qty.
CMUSBAAIW‡	USB 2.0 female A to female A coupler module.	1	1	10

‡USB Coupler shown in IW (Off White). Other colors available: EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).

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QuickNet™ Patch Panels and Accessories

- Accept QuickNet™ Copper Cable Assemblies and QuickNet™ SFQ Series MTP* Fiber Optic Cassettes which snap in and out with one hand
- High-density patch panels conserve valuable rack space
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers
- Pre-printed numbers above each port for easy identification
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets
- Zero RU brackets (FQCBRUA) mount up to two QuickNet™ Cassettes directly to rack or enclosure without utilizing additional rack space
- Optional patch panel adapter (QPPABL) accepts all Mini-Com® Modules for UTP, fiber optic, and audio/visual applications
- Optional patch panel blank (QPPBBL) promotes proper airflow and cooling
- Label/label cover kit (QPPLC24) provides port and panel identification for 24-port patch panels
- QuickNet™ All Metal Modular Patch Panels accept shielded cassettes with no grounding kit required
- If not using QuickNet™ All Metal Modular Patch Panels, optional retrofit grounding kit (QNSMRRT) is required to ground shielded cassettes to QuickNet™ Modular Patch Panels

QAPP24BL

QASP24BL

QAPP48HDBL

QASP48HDBL

QPP24BL

QSP24BL

QPP48HDBL

QSP48HDBL

QPPABL

QPPBBL

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
QuickNet™ Angled Patch Panels				
QAPP24BL	24-port angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QASP24BL	24-port, all metal angled patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
QAPP48HDBL	48-port angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QAPP48HDVNSBL	48-port angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters. Numbering sequence is top to bottom across patch panel.	1	1	10
QASP48HDBL	48-port, all metal angled patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
QuickNet™ Flat Patch Panels				
QPP24BL	24-port patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QSP24BL	24-port, all metal patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
QPP48HDBL	48-port patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QPP48HDVNSBL	48-port patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters. Numbering sequence is top to bottom across patch panel.	1	1	10
QSP48HDBL	48-port, all metal patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
Patch Panel Adapter				
QPPABL	QuickNet™ Patch Panel Adapter which accepts Mini-Com® Modules for UTP, fiber optic, and audio/visual applications.	—	1	10
Patch Panel Blank				
QPPBBL	QuickNet™ Patch Panel Blank reserves space for future use and promotes proper airflow and cooling.	—	1	10
Patch Panel Label Kit				
QPPLC24	Label/label cover kit for 24-port QuickNet™ Patch Panels. Each kit contains four labels and four clear label covers per bag.	—	1	10

*MTP is a registered trademark of US Conec Ltd.
^One rack space = 1.75" (44.45mm). M6 and #12-24 mounting screws included. QuickNet™ Pre-Terminated.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

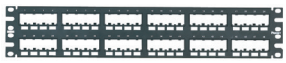
Mini-Com® Flush Mount Modular Patch Panels

- Rear-mounted faceplates allow modules to be flush with front of patch panel
- Accept Mini-Com® Modules for UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Pre-printed numbers above each port for easy identification
- White write-on areas for port and/or panel identification
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers

CPPA24FMWBLY

CPPA48FMWBLY

CPP24FMWBLY



CPP48FMWBLY

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Mini-Com® Angled Flush Mount Modular Patch Panels				
CPPA24FMWBLY	Angled 24-port flush mount patch panel supplied with rear-mounted faceplates.	1	1	10
CPPA48FMWBLY	Angled 48-port flush mount patch panel supplied with rear-mounted faceplates.	2	1	10
CPPA48FM6BL	Angled 48-port flush mount patch panel.	1	6	10
Mini-Com® Flush Mount Modular Patch Panels				
CPP24FMWBLY	24-port flush mount patch panel supplied with rear-mounted faceplates.	1	1	10
CPP48FMWBLY	48-port flush mount patch panel supplied with rear-mounted faceplates.	1	1	10
CPP48FM6BL	48-port flush mount patch panel.	2	6	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Mini-Com® High-Density Modular Patch Panels

- Accept Mini-Com® Modules for UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Conserve valuable rack space, but may be limited to specific modules (UTP)
- Pre-printed numbers above each port for easy identification
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers
- Enhanced label version of 48-port high-density patch panels only accept UTP modules

CPPA48HDWBLY

CPP48HDWBLY

CPP48HDEWBL

CPP48HDVNSWBL

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Mini-Com® Angled High-Density Modular Patch Panels				
CPPA48HDWBLY	48-port high-density angled patch panel supplied with rear mounted faceplates (Space not available for component labels).	1	1	10
CPPA48HDEWBL	48-port high-density angled patch panel with enhanced labeling features and compatibility with Panduit hand-held printers. (Only accepts Mini-Com® Modules for UTP applications).	1	1	10
CPPA48HDVNSWBL	48-port high-density angled patch panel with vertical numbering sequence from top to bottom across panel (space not available for component label).	1	1	10
Mini-Com® High-Density Modular Patch Panels				
CPP48HDWBLY	48-port high-density patch panel supplied with rear mounted faceplates (space not available for component labels).	1	1	10
CPP48HDEWBL	48-port high-density patch panel with enhanced labeling features and compatibility with Panduit hand-held printers. (Only accepts Mini-Com® Modules for UTP applications).	1	1	10
CPP48HDVNSWBL	48-port high-density patch panel with vertical numbering sequence from top to bottom across panel (space not available for component label).	1	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® Modular Faceplate Patch Panels

- Release snap feature on faceplate allows front access to installed modules
- Accept Mini-Com® Modules for UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Label versions available for easy port identification; replacement label/label covers available
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers

CPPLA24WBLY

CPPLA48WBLY

CPPL24WBLY

CPPL48WBLY

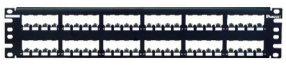
Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Mini-Com® Angled Modular Patch Panels with Labels				
CPPLA24WBLY	24-port angled patch panel with labels, supplied with six factory installed CFFPL4 type front removable snap-in faceplates.	1	1	10
CPPLA48WBLY	48-port angled patch panel with labels, supplied with twelve factory installed CFFPL4 type front removable snap-in faceplates.	2	1	10
Mini-Com® Modular Patch Panels with Labels				
CPPL24WBLY	24-port patch panel with labels, supplied with six factory installed CFFPL4 type front removable snap-in faceplates.	1	1	10
CPPL48WBLY	48-port patch panel with labels, supplied with twelve factory installed CFFPL4 type front removable snap-in faceplates.	2	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Mini-Com® All Metal Shielded Modular Patch Panels

- Accept Mini-Com® Modules for shielded applications
- Provide write-on areas for port identification
- Made of stainless steel
- CPT removal tool allows easy moves, adds, and changes of shielded jack modules
- Mount to standard TIA/EIA 19" rack or 23" racks with optional extender bracket

CP24BLY


CP48BLY

CP48HDBL

CPA48HDBL

CPA24BLY

CPA48BLY

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Mini-Com® All Metal Modular Patch Panels				
CP24BLY	24-port all metal modular patch panel.	1	1	10
CP48BLY	48-port all metal modular patch panel.	2	1	10
Mini-Com® All Metal Modular High-Density Patch Panels				
CP48HDBLY	48-port all metal high-density patch panel.	1	1	10
CPA48HDBL	48-port angled all metal high-density patch panel.	7	1	10
Mini-Com® All Metal Angled Modular Patch Panels				
CPA24BLY	24-port angled all metal patch panel.	1	1	10
CPA48BLY	48-port angled all metal patch panel.	2	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Each patch panel includes the CPT tool to ease removal of Mini-Com® Shielded Jack Modules.
Contact Panduit Customer Service for other available port options.
To bond the patch panel, see the patent pending StructuredGround™ Bonding Hardware Kits available on page L.9.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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DP6A™ UTP Patch Panels

- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 Category 6A and IEC 60603-7-41 Category 6A component standards
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Each port is 100% tested to ensure NEXT and RL performance and is individually serialized to support traceability
- Utilize 110 punchdown termination on back panel and include retention cap for each port
- Each port contains a universal label that is color-coded for T568A and T568B wiring schemes
- Contacts plated with 50 microinches of gold for superior performance
- Angled versions allow for higher density applications by easily routing the patch cords to each side of the panel eliminating the need for horizontal cable management
- Terminate 4-pair, 22 – 26 AWG, 100 ohm, solid or stranded twisted pair cable
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket
- Write-on areas for port and panel identification
- Can be clearly identified with labels and icons
- Optional label kits (DPLK24 and DPLK48) contain adhesive label holder and labels for easy port and panel identification

DPA246X88TGY PATENTED

DPA486X88TGY

DP246X88TGY

DP486X88TGY

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
DP6A™ Angled Patch Panels				
DPA246X88TGY	24-port, angled, Category 6A, 10 Gb/s patch panel with 24 RJ45 8-position, 8-wire ports.	1	1	10
DPA486X88TGY	48-port, angled, Category 6A, 10 Gb/s patch panel with 48 RJ45 8-position, 8-wire ports.	2	1	10
DP6A™ Flat Patch Panels				
DP246X88TGY	24-port, Category 6A, 10 Gb/s patch panel with 24 RJ45 8-position, 8-wire ports.	1	1	10
DP486X88TGY	48-port, Category 6A, 10 Gb/s patch panel with 48 RJ45 8-position, 8-wire ports.	2	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Replaceable punchdown modules available, part number DRJ6X88TGBL.
Termination tool (PDT110) available on page B.56.
Must be installed as part of a complete TX6A™ Copper Cabling System in order to achieve 10GBASE-T certified performance.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Category 6A Coupler Patch Panel

- Coupler panel ports provide fast and easy plug and play connection of 6 and 8-position RJ45 patch cords
- No tools required
- Only one coupler can be used per channel while maintaining ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E_A channel performance
- Contacts plated with 50 microinches of gold for superior performance
- Can be clearly identified with optional labels and icons
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
CP246X88BL	24-port, Category 6A, patch panel with 24 pre-installed RJ45 Category 6A channel compliant couplers.	1	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

DP6™ PLUS UTP Patch Panels

- Exceeds ANSI/TIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E standards
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Each port is 100% tested to ensure NEXT and RL performance and is individually serialized to support traceability
- Utilize 110 punchdown termination on back panel and includes retention cap for each port
- Each port contains a universal label that is color-coded for T568A and T568B wiring schemes
- Angled versions allow for higher density applications by easily routing the patch cords to each side of the panel eliminating the need for horizontal cable management
- Terminate 4-pair, 22 – 26 AWG, 100 ohm, solid or stranded twisted pair cable
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket
- Write-on areas for port and panel identification
- Can be clearly identified with labels and icons
- Optional label kits (DPLK24 and DPLK48) contain adhesive label holder and labels for easy port and panel identification

DPA24688TGY PATENTED

DPA48688TGY

DP24688TGY

DP48688TGY

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
DP6™ PLUS Angled Patch Panels				
DPA24688TGY	24-port, angled, Category 6, patch panel with 24 RJ45, 8-position, 8-wire ports.	1	1	10
DPA48688TGY	48-port, angled, Category 6, patch panel with 48 RJ45, 8-position, 8-wire ports.	2	1	10
DP6™ PLUS Flat Patch Panels				
DP24688TGY	24-port, Category 6, patch panel with 24 RJ45, 8-position, 8-wire ports.	1	1	10
DP48688TGY	48-port, Category 6, patch panel with 48 RJ45, 8-position, 8-wire ports.	2	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Replaceable punchdown modules available, part number DRJ688TGBL.
Termination tool (PDT110) available on page B.56.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Category 6 Coupler Patch Panel

- Coupler panel ports provide fast and easy plug and play connection of 6 and 8-position RJ45 patch cords
- No tools required
- Designed to exceed performance requirements of the ANSI/TIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel standards
- Contacts plated with 50 microinches of gold for superior performance
- Can be clearly identified with optional labels and icons
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
CP24688BL	24-port, Category 6, patch panel with 24 pre-installed RJ45 Category 6 channel compliant couplers.	1	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Each coupler module acts as one connecting hardware component in a channel.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

DP5e™ UTP Patch Panels

- Exceeds ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
- Each port is 100% tested to ensure NEXT and RL performance and is individually serialized to support traceability
- Utilize 110 termination on back panel and includes retention cap for each port
- Each port contains a universal label that is color-coded for T568A and T568B wiring schemes
- Contacts plated with 50 microinches of gold for superior performance
- Angled versions allow for higher density installations by easily routing the patch cords to each side of the panel eliminating the need for horizontal cable management
- Terminate 4-pair, 22 – 26 AWG, 100 ohm, solid or stranded twisted pair cable
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket
- Write-on areas for port and panel identification
- Can be clearly identified with labels and icons
- Optional label kits (DPLK24 and DPLK48) contain adhesive label holder and labels for easy port and panel identification

DPA245E88TGY

DPA485E88TGY

DP245E88TGY

DP485E88TGY

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
DP5e™ Angled Patch Panels				
DPA245E88TGY	24-port, Category 5e, angled patch panel with 24 RJ45, 8-position, 8-wire ports.	1	1	10
DPA485E88TGY	48-port, Category 5e, angled patch panel with 48 RJ45, 8-position, 8-wire ports.	2	1	10
DP5e™ Flat Patch Panels				
DP245E88TGY	24-port, Category 5e, patch panel with 24 RJ45, 8-position, 8-wire ports.	1	1	10
DP485E88TGY	48-port, Category 5e, patch panel with 48 RJ45, 8-position, 8-wire ports.	2	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Replaceable punchdown modules available, part number DRJ5E88TGBL.
Termination tool (PDT110) available on page B.56.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Category 5e Coupler Patch Panel

- Coupler panel ports provide fast and easy plug and play connection of 6 and 8-position RJ45 patch cords
- No tools required
- Designed to exceed ANSI/TIA-568-C.2 Category 5e and all ISO 11801 2nd Edition Class D channel standard requirements at swept frequencies up to 100 MHz
- Contacts plated with 50 microinches of gold for superior performance
- Can be clearly identified with optional labels and icons
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
CP245E88BLY	24-port, Category 5e, patch panel with 24 pre-installed RJ45 Category 5e channel compliant couplers.	1	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Each coupler module acts as one connecting hardware component in a channel.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Voice Patch Panel

- Consists of single female telco 50-pin/25-pair connector with hook and loop fasteners wired for common active voice equipment
- 24 RJ45 ports with pins 4 and 5 active in each port
- Telco connector with hook and loop fasteners accommodate 180, 110, or 90 degree patch cord connectors on back of patch panel
- Does not require use of a punchdown tool
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket
- Write-on areas available for port identification
- Can be clearly identified with optional labels and icons

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
VP24382TV25Y	24-port patch panel with 24 RJ45 ports wired to one RJ21 telco connector.	1	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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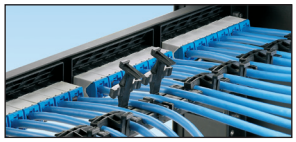
Strain Relief Bar with Clips

- Mount to the rear of standard EIA 19" racks behind each patch panel
- Supports 24 cables with hinged dual clips and provides bend radius protection
- Each adjustable clip can hold up to two cables; accommodates cable diameter range from 0.170" – 0.330" (4.3mm – 8.4mm)
- Provides superior aesthetics in cable management

PATENTED



Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
SRBWCY	Strain relief bar with integrated adjustable clips; supports, manages, and provides bend radius protection for up to 24 cables in 1 RU.	1	1	10

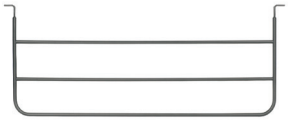
^One rack space = 1.75" (44.45mm).

Strain Relief Bars for Patch Panels

- Mount to standard EIA 19" racks
- Ideal for standard density patch panels (24 ports per RU)
- Tak-Ty® Hook & Loop Cable Ties can be used for additional cable management

SRB19BLY

SRB19D5BL



SRB19MDBL

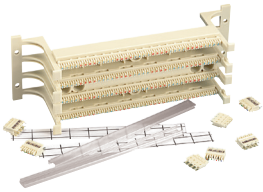
SRBBRKT

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Extended Strain Relief Bar			
SRB19BLY	Strain relief bar extends 2" off the rack; supports, manages, and provides proper bend radius protection.	1	10
Deep Strain Relief Bar			
SRB19D5BL	Strain relief bar extends 5" off the rack; supports, manages, and provides proper bend radius protection.	1	10
SRB19MDBL	Strain relief multi-depth bar extends 7" off the rack; supports, manages, and provides proper bend radius protection. Ideal for use with Category 6A copper cabling installations.	1	10
Quick Release Brackets for Strain Relief Bars			
SRBBRKT	Quick release brackets for strain relief bars; convert conventional screw mounting to quick release mounting/removal.	1	10

Order number of pieces required, in multiples of Standard Package Quantity.

GP6™ PLUS Category 6 Kits

- Exceeds ANSI/TIA-568-C.2 Category 6 standard
- Ideal for use in cross-connects and consolidation point applications
- Provides pre-packaged components necessary for termination
- Kit includes required quantity of bases and 4-pair connecting blocks, label holders and labels
- Highly visible color-coded wiring slots ease wiring



GPKBW144Y

GPKBW72Y

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GP6™ PLUS Category 6 High-Density Kits			
GPKBW144Y	144-pair (36-port) Category 6 high-density punchdown field termination kit with legs.	1	10
GPKBW432Y	432-pair (108-port) Category 6 high-density punchdown field termination kit with legs.	1	10
GP6™ PLUS Category 6 Standard Density Kits			
GPKBW24Y	96-pair (24-port) Category 6 punchdown base field termination kit with legs.	1	10
GPKBW72Y	288-pair (72-port) Category 6 punchdown base field termination kit with legs.	1	10

Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
Termination tool available on page B.50.
To ensure optimal performance, Panduit recommends use with other Panduit Category 6 PLUS components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

GP6™ PLUS Category 6 Rack Mount Panel Kits

- Exceeds ANSI/TIA-568-C.2 Category 6 standard
- Ideal for use in cross-connects and consolidation point applications
- Provide pre-packaged components necessary for termination
- Include required quantity of bases and 4-pair connecting blocks, label holders, and labels
- Highly visible color-coded wiring slots ease wiring
- Mount to standard EIA 19" racks

GPB2884R2Y

GPB484R2Y

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
GP6™ PLUS Category 6 High-Density Rack Mount Panel Kits				
GPB2884R2Y	Two 144-pair (36-port) Category 6 punchdown bases pre-mounted to a panel with 4-pair connector kit included.	2	1	10
GP6™ PLUS Category 6 Standard Density Rack Mount Panel Kits				
GPB484R2Y	Two 96-pair (24-port) Category 6 punchdown bases pre-mounted to panel with 4-pair connector kit included.	2	1	10

^One rack space = 1.75" (44.45mm).
M6 and #12-24 mounting screws included.
Termination tool available on page B.50.
Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
To ensure optimal performance, Panduit recommends use with other Panduit Category 6 PLUS components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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GP6™ PLUS Category 6 Connecting Blocks

- Exceeds ANSI/TIA-568-C.2 Category 6 standard
- Available in 4 or 5-pair connection blocks
- Highly visible color-coded wiring slots ease wiring
- Can be terminated with single or multiple position punchdown tools
- Can be utilized with discrete wires or GP6™ PLUS Patch Cord Connector
- Constructed of UL 94V-0 high impact polycarbonate material
- Patented single piece robust construction
- Optional 4-pair retaining clip (GPRC4) provides additional conductor retention and minimizes errors during moves, adds, and changes

GPCB4-Y

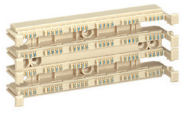
GPCB5-Y

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
4-Pair Connecting Block			
GPCB4-XY	4-pair Category 6 punchdown connecting block.	10	1000
5-Pair Connecting Block			
GPCB5-XY	5-pair Category 6 punchdown connecting block.	10	1000

Termination tool available on page B.50.
Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
To ensure optimal performance, Panduit recommends use with other Panduit Category 6 PLUS components.

GP6™ PLUS Category 6 Standard Density Bases

- Exceeds ANSI/TIA-568-C.2 Category 6 standard
- Ideal for use in cross-connects and consolidation point applications
- Highly visible color-coded wiring slots ease wiring
- Sturdy one-piece design
- Available with or without mounting legs for a variety of mounting options
- Multiple mounting holes available



GPB24-X

GPBW24-X

Part Number	Part Description	Std. Pkg. Qty.
96-Pair (24-Port) Category 6 Punchdown Base		
GPB24-X	Positions and holds UTP wire for termination with Category 6 connecting blocks.	10
96-Pair (24-Port) Category 6 Punchdown Base – with Legs		
GPBW24-X	Positions and holds UTP wire for termination with Category 6 connecting blocks, includes mounting legs.	10

Termination tool available on page B.50.
Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
To ensure optimal performance, Panduit recommends use with other Panduit Category 6 components.
Can be clearly identified with label holders and recommended labels on page B.80.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

GP6™ PLUS Patch Cord Assemblies

- Exceeds ANSI/TIA-568-C.2 Category 6 standard
- Factory assembled patch cord assembly
- Ideal for use in cross-connects and consolidation point applications with GP6™ PLUS Connector Blocks

GPPC4IG*Y

GPPC4IG*AY and GPPC4IG*BY

Part Number	Part Description	Length (Ft.)	Std. Pkg. Qty.	Std. Ctn. Qty.
GPPC4IG3Y	One 4-pair GP6™ PLUS Connector on each end.	3	1	10
GPPC4IG5Y		5	1	10
GPPC4IG7Y		7	1	10
GPPC4IG9Y		9	1	10
GPPC4IG14Y		14	1	10
GPPC4IG20Y		20	1	10
GPPC4IG3AY	One 4-pair GP6™ PLUS Connector wired to a RJ45 Pan-Plug® T568A wiring scheme.	3	1	10
GPPC4IG5AY		5	1	10
GPPC4IG7AY		7	1	10
GPPC4IG9AY		9	1	10
GPPC4IG14AY		14	1	10
GPPC4IG20AY		20	1	10
GPPC4IG3BY	One 4-pair GP6™ PLUS Connector wired to a RJ45 Pan-Plug® High Performance Modular Plug.	3	1	10
GPPC4IG5BY		5	1	10
GPPC4IG7BY		7	1	10
GPPC4IG9BY		9	1	10
GPPC4IG14BY		14	1	10
GPPC4IG20BY		20	1	10

To ensure optimal performance, Panduit recommends use with other Panduit TX6™ PLUS components.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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GP6™ PLUS Termination Tools and Accessories

- Terminate wires on both cable and cross-connect sides of GP6™ Blocks
- Reversible blade provides option of terminating without cutting wire
- 4-pair punchdown tool seats 4 or 5-pair connecting blocks

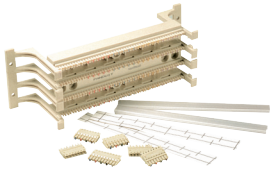
GPDTM

GPST

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
4-Pair Punchdown Tool			
GPDTM	Inserts and cuts off up to 4-pairs at a time, for use with GP6™ PLUS System only.	1	10
Single Wire Punchdown Tool			
GPST	Inserts and cuts off one wire at a time, for use with GP6™ PLUS System only.	1	—

Pan-Punch® 110 Category 5e System Kits

- Exceeds ANSI/TIA-568-C.2 Category 5e standard
- Field terminable
- Ideal for use in cross-connects and consolidation point applications
- Provide pre-packaged components necessary for termination
- Include required quantity of bases and connecting blocks, label holders and labels
- Available in 100 or 300-pair bases with 3, 4, or 5-pair connecting blocks



P110KB1004Y

P110KB3004Y

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
100-Pair Termination Kits			
P110KB1004Y	Field terminated. Includes a base, 4-pair connector kit with five 4-pair connectors and one 5-pair connector per row of 25 pairs, two label holders, and two white designation labels.	1	10
P110KB1005Y	Field terminated. Includes a base, 5-pair connector kit with five 5-pair connectors per row of 25 pairs, two label holders, and two white designation labels.	1	10
300-Pair Termination Kits			
P110KB3004Y	Field terminated. Includes a base, 4-pair connector kit with five 4-pair connectors and one 5-pair connector per row of 25 pairs, six label holders, and six white designation labels.	1	10
P110KB3005Y	Field terminated. Includes a base, 5-pair connector kit with five 5-pair connectors per row of 25 pairs, six label holders, and six white designation labels.	1	10

It is common practice to completely fill each 25-pair wire strip with connecting blocks. Each kit contains the adequate number of connecting blocks to do so. Example: P110KB1004 includes five 4-pair and one 5-pair connecting block per 25-pair wiring strip for a total of twenty 4-pair and four 5-pair connecting blocks as well as two label holders and two white designation labels.
Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

19" Punchdown Rack Mount Panels

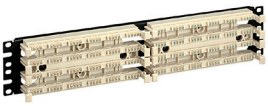
- Accept punchdown bases for rack mount applications

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
P110B100R2BY	Panel accepts up to 2 RU of punchdown bases.	2	1	10

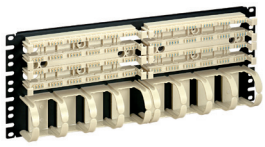
^One rack space = 1.75" (44.45mm).
Includes mounting screws.

Pan-Punch® Category 5e 19" Rack Mount Panels

- Exceeds ANSI/TIA-568-C.2 Category 5e standard
- Ideal for use in cross–connects and consolidation point applications
- Mount to standard TIA/EIA 19" racks
- Exclusive deeper channel to facilitate TIA/EIA Category 5e cabling installations



P110B100R2Y



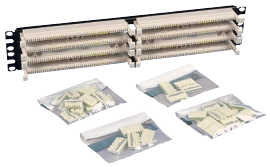
P110B100R4WJY

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
P110B100R2Y	Two 100-pair bases premounted to panel.	2	1	10
P110B100R4WJY	Two 100-pair bases with jumper troughs premounted to panel.	4	1	10

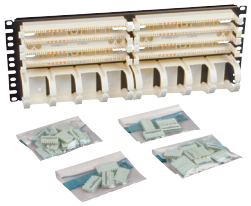
^One rack space = 1.75" (44.45mm).
Includes mounting screws.
Termination tool available on page B.56.
For connecting blocks see page B.53.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Pan-Punch® Category 5e 19" Rack Mount Panel Kits

- Exceeds ANSI/TIA-568-C.2 Category 5e standard
- Field terminable
- Ideal for use in cross-connects and consolidation point applications
- Include required quantity of bases and connecting blocks, label holders, and labels
- Available with 4 or 5-pair connecting blocks



P110B1004R2Y



P110B1004R4WJY

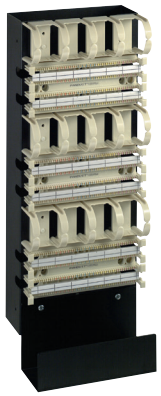
Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Rack Mount Panel Kit with Bases and Connecting Blocks				
P110B1004R2Y	Two 100-pair bases premounted to panel. 4-pair connector kit included with five 4-pair connectors and one 5-pair connector per row of 25 pairs.	2	1	10
P110B1005R2Y	Two 100-pair bases premounted to panel. 5-pair connector kit included with five 5-pair connectors per row of 25 pairs.	2	1	10
Rack Mount Panel Kit with Bases, Connecting Blocks, and Jumper Troughs				
P110B1004R4WJY	Two 100-pair bases and jumper troughs premounted to 19" rack mount panel. 4-pair connector kit included with five 4-pair connectors and one 5-pair connector per row of 25 pairs.	2	1	10
P110B1005R4WJY	Two 100-pair bases and jumper troughs premounted to 19" rack mount panel with 5-pair connector kit included with five 5-pair connectors per row of 25 pairs.	2	1	10

^One rack space = 1.75" (44.45mm).
Includes mounting screws.
Termination tool available on page B.56.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Pan-Punch® 110 Category 5e Tower System

LISTED CERTIFIED

- Provides a complete cross-connect system
- Designed for wall mount applications
- Available in 300 and 900 pair configurations with 4 or 5-pair connecting blocks
- Supplied jumper troughs provide horizontal cable management
- Tower provides vertical feeder cable management



P110KT3004Y

Part Number	Part Description	Std. Pkg. Qty.
Pan-Punch® 300-Pair Tower Kits		
P110KT3004Y	Convenient packaging includes all of the components required to completely wire a 110 base.	1
P110KT3005Y		1
Pan-Punch® 900-Pair Tower Kits		
P110KT9004Y	Convenient packaging includes all of the components required to completely wire a 110 base.	1
P110KT9005Y		1

Each tower system contains adequate connecting blocks to complete each 25-pair wiring strip. Example: P110KT3004Y includes five 4-pair and one 5-pair connecting block per 25-pair wiring strip for a total of sixty 4-pair and twelve 5-pair connecting blocks.
Termination tool available on page B.56.
Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

110 Punchdown Label Holder

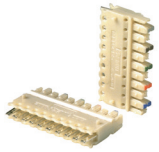
- Use with adhesive or non-adhesive designation labels

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
P110LH	Label holder snaps into 110 and GP6™ Bases.	6	60

Pan-Punch® 110 Category 5e Connecting Blocks

- Exceeds ANSI/TIA-568-C.2 Category 5e standard
- Available in 4 or 5-pair connection blocks
- Dual IDC terminates UTP cable on 110 base and UTP cable or 110 patch cords for cross-connecting
- Highly visible color-coded wiring slots ease wiring
- Can be used with single or multiple punchdown tools
- Can be utilized with discrete wires or Pan-Punch® Patch Cord Connector
- Constructed of UL 94V-0 high-impact polycarbonate material
- Patented single piece robust construction

P110CB4-XY



P110CB5-CY

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
4-Pair 110 Connecting Blocks			
P110CB4-XY	4-pair connecting block.	10	100
5-Pair 110 Connecting Blocks			
P110CB5-CY	5-pair connecting block.	100	100

Termination tool available on page B.56.
Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.

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J. Cabinets, Racks & Cable Management Systems
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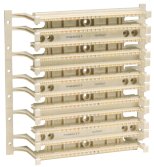
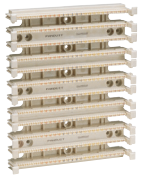
Pan-Punch® 110 Category 5e Bases

- Exclusive deeper channel to facilitate ANSI/TIA-568-C.2 Category 5e cabling installations
- Ideal for use in cross-connects and consolidation point applications
- Available with or without legs for various mounting options
- Sturdy one-piece design
- Highly visible color-coded wiring strip

P110BW100-X

P110B100-X


P110BW300-X


P110B300-X

Part Number	Part Description	Std. Pkg. Qty.
100-Pair Base – with Legs		
P110BW100-X	Positions and holds UTP cable for termination with Pan-Punch® 110 Connecting Blocks. Legs allow cables to be routed behind bases.	10
100-Pair Base		
P110B100-X	Positions and holds UTP cable for termination with Pan-Punch® 110 Connecting Blocks. For frame or rack mount wiring behind bases.	10
300-Pair Base – with Legs		
P110BW300-X	Positions and holds UTP cable for termination with Pan-Punch® 110 Connecting Blocks. Legs allow cables to be routed behind bases.	10
300-Pair Base		
P110B300-X	Positions and holds UTP cable for termination with Pan-Punch® 110 Connecting Blocks. For frame or rack mount wiring behind bases.	10

Cable requirement: terminates most 22 – 26 AWG solid or stranded IWC wire with a 0.050" (1.27mm) max o.d., either PVC or plenum rated.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Pan-Punch® 110 Patch Connectors

- Contain two-piece, snap together housing
- Field terminable
- Cable clamp on cover provides easier wiring
- IDCs provide reliable gas-tight connections
- Strain relief reduces stress on cable
- Polarized to prevent reverse installation to connector block
- Clear polycarbonate cover keeps conductors visible after termination

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
P110PC4-XY	Terminates 4-pairs, 24 AWG solid or stranded cable.	10	100

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Punch® 110 Patch Cord Assemblies

- Factory assembled patch cord assembly
- Ideal for use in cross-connect applications with Pan-Punch® 110 Connecting Blocks

P110PC1IG2Y

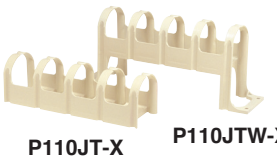
P110PC4IG2AY

Part Number	Part Description	Length‡ (Ft.)	Std. Pkg. Qty.	Std. Ctn. Qty.
P110PC1IG2Y	1-pair 110 connector on each end. Meets Category 3 performance requirements.	2	1	10
P110PC1IG4Y		4	1	10
P110PC1IG5Y		5	1	10
P110PC1IG6Y		6	1	10
P110PC2IG2Y	2-pair 110 connector on each end. Meets Category 5 performance requirements.	2	1	10
P110PC2IG4Y		4	1	10
P110PC2IG5Y		5	1	10
P110PC2IG6Y		6	1	10
P110PC4IG2Y	4-pair 110 connector on each end. Meets Category 5e performance requirements.	2	1	10
P110PC4IG4Y		4	1	10
P110PC4IG5Y		5	1	10
P110PC4IG6Y		6	1	10
P110PC4IG2AY	4-pair 110 connector to Pan-Plug® RJ45 Modular Plug – T568A wired. Meets Category 5e performance requirements.	2	1	10
P110PC4IG4AY		4	1	10
P110PC4IG5AY		5	1	10
P110PC4IG6AY		6	1	10
P110PC4IG2BY	4-pair 110 connector to Pan-Plug® RJ45 Modular Plug – T568B wired. Meets Category 5e performance requirements.	2	1	10
P110PC4IG4BY		4	1	10
P110PC4IG5BY		5	1	10
P110PC4IG6BY		6	1	10

‡For lengths 7, 8, 9, 12, or 15 feet, change the length designation in the part number to the desired length.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Jumper Troughs

- Available with or without legs for a variety of mounting options
- Unique finger design maintains cable bend radius
- Provide optimum cable management when used with GP6™ PLUS and Pan-Punch® 110 Punchdown System Bases



P110JT-X P110JTW-X

Part Number	Part Description	Std. Pkg. Qty.
P110JTW-X	Jumper trough with legs.	10
P110JT-X	Jumper trough without legs.	10

Pan-Punch® Punchdown Tool and Accessories

- Terminate wires on both cable and cross-connect sides of 110 connecting blocks
- Single pair punchdown tool terminates on the back of the DP6A™ 10Gig, DP6™ PLUS, and DP5e™ Patch Panels
- Reversible blade provides option of terminating without cutting wire
- 5-pair punchdown tool seats 3, 4, or 5-pair connecting blocks onto 110 base

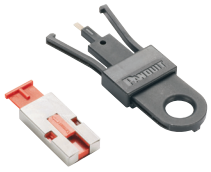
PDT110M

PDT110M

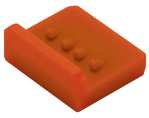
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
5-Pair Punchdown Tool			
PDT110M	5-pair punchdown tool, can terminate up to 5 pairs at a time.	1	10
Replacement Blade Assembly			
PDB110M	Replacement blade for 5-pair punchdown tool.	1	10
Single Pair Punchdown Tool			
PDT110	Punchdown tool and blade for 110 style IDCs. Terminates and cuts UTP cable in one operation.	1	—
Replacement Blade			
PDTH110	Replacement blade for single pair punchdown tool.	1	—

USB Blockout Device

- Blockout devices block unauthorized access to USB ports, to provide additional security from viruses being loaded and illicit data being removed through the USB port
- Type A blockouts compatible with USB 2.0 and USB 3.0 Type “A” ports; Type B blockouts compatible with USB 2.0 Type “B” ports
- Can be installed without interfering with adjacent USB ports
- May only be released with the special removal tool, ensuring the safety and security of the network infrastructure; permanent blockouts are not releasable



PSL-USBA*



PSL-PERM-USBA

PSL-USBB

PSL-PERM-USBB

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
USB Type A Blockouts				
PSL-USBA*	Package of five USB Type A blockout devices and one removal tool.	Red	1	20
PSL-PERM-USBA	Package of ten Permanent USB Type A blockout devices.	Red	1	20
USB Type B Blockouts				
PSL-USBB	Package of ten USB Type B blockout devices and one removal tool.	Red	1	20
PSL-PERM-USBB	Package of ten Permanent USB Type B blockout devices.	Red	1	20

*Available in bulk packages of 50 devices and five removal tools. To order bulk package add -L to the suffix of part number.

Order number of pieces required, in multiples of Standard Package Quantity.

RJ45 Plug Lock-In Device

- Tamper-resistant design blocks unauthorized removal of cable, VoIP phone, other networking equipment, or critical connection
- Compatible with UTP and shielded Category 6A, 6, and UTP Category 5e patch cords
- Deters unauthorized users from moving or stealing VoIP phones helping to maintain E911 service
- Compact design does not interfere with adjacent jack modules, even in high-density applications
- Installation/removal tool allows plug to be locked into or released from jack module for enhanced physical security
- Locking mechanism is white for flush mount and clear for recessed devices

PPSL-DCPLRX-BL

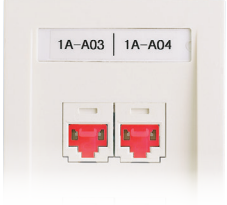
Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
Flush – Compatible With Flush Mounted Jack Modules				
PSL-DCPLX*	Package of ten RJ45 plug lock-in devices and one installation/removal tool.	Red	1	20
Recessed – Compatible With Recessed Jack Modules				
PSL-DCPLRX*	Package of ten recessed RJ45 plug lock-in devices and one installation/removal tool.	Red	1	20

*Available in bulk packages of 100 devices and five installation/removal tools. To order bulk package add -C to the suffix of part number. It is recommended to test your specific patch cords and jacks before installing.
‡Part number listed in Red, additional colors available: BL (Black), BU (Blue), YL (Yellow), IW (International White), GR (Green), OR (Orange), IG (International Gray), and VL (Violet). Add color at end of part number.
Example: PSL-DCPLX-BL or PSL-DCPLRX-BL.

RJ45 Jack Blockout Device

- Blocks unauthorized access to jacks and potentially harmful foreign objects, saving time and money associated with data security breaches, network downtime, repair and hardware replacement
- Compatible with most RJ45 jacks to accommodate a variety of applications and does not interfere with jack contacts
- Can be installed/removed without interfering with adjacent jacks or hardware
- May only be released with the special removal tool, ensuring the safety and security of the network infrastructure

PSL-DCJB



Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
PSL-DCJB*	Package of ten RJ45 jack blockout devices and one removal tool.	Red	1	20

*Available in bulk packages of 100 devices and five removal tools. To order bulk package add -C to the suffix of part number.
‡Part number listed in Red, additional colors available: BL (Black), BU (Blue), YL (Yellow), IW (International White), GR (Green), OR (Orange), IG (International Gray), and VL (Violet). Add color at end of part number.
Example: PSL-DCJB-BL

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Patch Cord Color Bands

- Removable band snaps on and off individual cables allowing the same patch cord to be used for different applications
- Can be installed next to each other allowing multiple color bands to be used on one cable, offering endless color coding options
- Internal grooves secure color bands in place on cable providing easy identification at the connection
- Available in ten standard colors that match Panduit connectivity providing an aesthetically pleasing solution
- Compatible with all Panduit patch cords including 28 AWG patch cords
- Existing and new installations can be color-coded as networks change

PCBANDBU-Q

PCBANDRD-Q

PCBANDIG-Q

Part Number	Part Description	Color	Std. Pkg. Qty.
PCBANDBL-Q	Snaps onto individual patch cable for additional color-coding.	Black	25
PCBANDBU-Q		Blue	25
PCBANDWH-Q		White	25
PCBANDEI-Q		Electric Ivory	25
PCBANDIG-Q		International Gray	25
PCBANDOR-Q		Orange	25
PCBANDRD-Q		Red	25
PCBANDGR-Q		Green	25
PCBANDYL-Q		Yellow	25
PCBANDVL-Q		Violet	25

Patch cords available on pages B.11-B.14.

Cable Prep Tools

- Copper Wire Snipping Tool (CWST) cuts conductors flush for improved performance
- Adjustable Cable Jacket Stripping Tool (CJAST) strips outer jacket of 4-pair UTP and shielded copper cable

CWST

CJAST

Part Number	Part Description	Std. Pkg. Qty.
CWST	Copper conductor snipping tool.	1
CJAST	Cable jacket stripping tool.	1
CJASTB	Replacement blade for cable stripping tool CJAST.	1

Order number of pieces required, in multiples of Standard Package Quantity.

Module Termination Tools and Accessories

- TGJT termination tool easily terminates all TG modules, reducing installation time by 25%
- EGJT tool assists in terminating all enhanced Giga-TX™ Style Modules by ensuring conductors are fully terminated by utilizing smooth forward motion without impact on critical internal components for maximum reliability
- CGJT termination tool terminates all Mini-Com® Mini-Jack™ Jack Modules
- CJT-X tool assists in terminating all Mini-Com® Mini-Jack™ Jack Modules by ensuring conductors are fully terminated
- Punchdown base (AVPDB) available for terminating S-Video and RCA punchdown modules
- Dust cap keeps out dust and debris from RJ45 jack modules while not in use

TGJT

EGJT

CGJT

CJT-X

AVPDB

MDC-C

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
TGJT	TG termination tool easily terminates all TG jack modules by cutting conductors flush and assembling wire cap and jack. Ideal for high-volume installations.	1	—
EGJT	Terminates enhanced Giga-TX™ TG Jack Modules.	1	50
CGJT	Terminates Giga-TX™ TP Jack Modules.	1	50
CJT-X	Terminates Mini-Com® Mini-Jack™ Jack Modules.	10	50
AVPDB	Audio/video punchdown base used to assist in terminating Mini-Com® S-Video and RCA Punchdown Modules.	1	50
MDC-C	Jack module dust cap. Compatible with all RJ45 Mini-Com® Jack Modules.	100	1000

Patch Cord Removal Tool

- Tool arms allow the installer to pass over cabling which interferes with accessibility
- Compatible with copper and fiber patch cords
- Optional flashlight kit (KPCRT1-FL) attaches to top of tool

PCRT1

KPCRT1-FL

Part Number	Part Description	Std. Pkg. Qty.
PCRT1	Easily removes copper and fiber patch cords in dense rack installations.	1
KPCRT1-FL	Flashlight kit for patch cord removal tool (PCRT1).	1

Modular Plug Termination Tools

- WPT-8 arranges all eight conductors in the proper sequence and provides proper gauge length for trimming conductors for MP588
- MPT5-8AS required for modular plug termination

WPT-8

MPT5-8AS

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Wire Prep Tool			
WPT-8	Crimp tool for TX6™ PLUS and Pan-Plug® Modular Plugs.	1	10
Modular Plug Installation Tool			
MPT5-8AS	Crimp tool for TX6™ PLUS and Pan-Plug® Modular Plugs.	1	—

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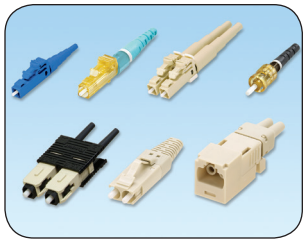
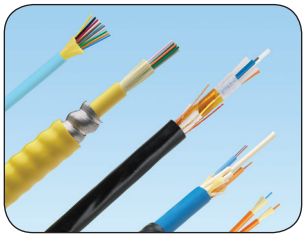
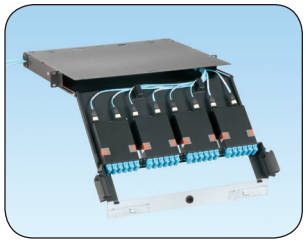
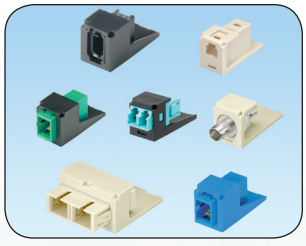
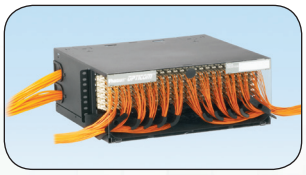
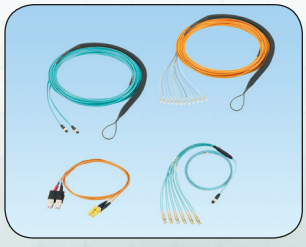
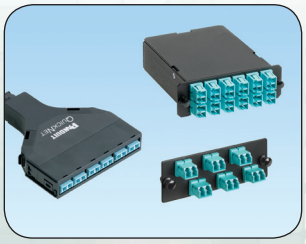
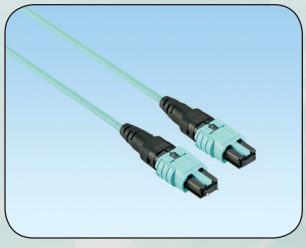
Notes

Order number of pieces required, in multiples of Standard Package Quantity.

Fiber Optic Systems

Panduit provides high bandwidth and mission critical physical infrastructures in data center, enterprise, and campus networks with comprehensive fiber optic systems that deliver high performance, reliability and scalability. By leveraging its technology leadership, innovative design and cable management expertise, Panduit's advanced fiber optic systems provide complete solutions for today's high data rate Fiber Channel and Ethernet applications and provide migration path for 10/40/100 Gb/s data rates. These systems accommodate multiple termination options, including pre-terminated, field-terminated, and field-spliced methods, to meet specific cabling infrastructure requirements. Panduit fiber optic systems offer the industry's highest patch field density combined with superior fiber cable management to provide unmatched network design and layout flexibility.

- **Opti-Core® Fiber Optic Cable features the highest quality OM4, OM3, OM2, OM1 and OS2 fiber to support and extend infrastructure**
- **OptiCam® Pre-Polished Connectors and field polish connectors offer termination selections to meet network requirements and installation preferences**
- **QuickNet™ Cabling System components are terminated, tested, and configured to fit the application, offering quick, plug-in deployment for trouble-free network performance**
- **Opticom® and QuickNet™ Enclosures enable fast and easy field installation, manage, and protect fiber connections in high-density applications**
- **Mini-Com® Adapter Modules and Opticom® Fiber Adapter Panels enable easy MACs to provide system and modularity for future network growth**
- **Opti-Core® Patch Cords and QuickNet™ Cable Assemblies are designed to fit the application to minimize waste, optimize cable management, and speed deployment**
- **PanMPO™ Connector can change the polarity and gender of the fiber optic connector in the field, making 10G to 40G Ethernet migration quick, easy and cost-effective**
- **HD Flex™ Fiber Cabling System speeds installation, testing, deployment and serviceability with innovative cable management that positions trunk cables away from the rear of the enclosure. Split trays inside the enclosure, and cassettes that access from the front or back to streamline installation and migrations from 10G to 40G/100G Ethernet**

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

	Panduit Multimode Systems		
	OM1 62.5/125µm	**OM2 50/125µm**	**OM3/OM4 50/125µm**
Standards	• IEEE 802.3j 10BASE-F – 850nm • IEEE 802.3u 100BASE-FX – 1310nm • IEEE 802.3z 1GBASE-SX – 850nm • IEEE 802.3ae 10GBASE-SR/SW – 850nm 10GBASE-LX4 – CWDM • 1, 2, 4, 8 Gigabit Fibre Channel, (FC-x00-M6-SN-I); x = 1, 2, 4, 8 • InfiniBand (IB-xX-yDR-SX); x = 1, 4, 8, 12 lanes; y = S, D, Q (Single, Double, Quadruple data rates)	• IEEE 802.3j 10BASE-F – 850nm • IEEE 802.3u 100BASE-FX – 850nm • IEEE 802.3z 1GBASE-SX – 850nm • IEEE 802.3ae 10GBASE-SR/SW – 850nm 10GBASE-LX4 – CWDM • 1, 2, 4, 8, 16, 32 Gigabit Fibre Channel, (FC-x00-M5-SN-I); x = 1, 2, 4, 8, 16, 32 • InfiniBand (IB-xX-yDR-SX); x = 1, 4, 8, 12 lanes; y = S, D, Q (Single, Double, Quadruple data rates)	• IEEE 802.3z 1GBASE-SX – 850nm • IEEE 802.3ae 10GBASE-SR/SW – 850nm 10GBASE-LX4 – CWDM • IEEE 802.3ba 40GBASE-SR4 – 850nm 100GBASE-SR10 – 850nm 100GBASE-SR4 – 850nm • 1, 2, 4, 8, 16, 32 Gigabit Fibre Channel, (FC-x00-M5E-SN-I); x = 1, 2, 4, 8, 16, 32 • InfiniBand (IB-xX-yDR-SX); x = 1, 4, 8, 12 lanes; y = S, D, Q (Single, Double, Quadruple data rates)
Bandwidth (EMBc in Mz.km)	>220	>510	OM3>2000 OM4>4700
Reach (@850nm for MM variants)	• Up to 300m (1GBASE-SX) • Up to 33m (10GBASE-SR/SW) • Up to 300m (10GBASE-LX4) • Up to 70m (FC-400-M5-SN-I) • Up to 20m (FC-800-M5-SN-I)	• Up to 600m (1GBASE-SX) • Up to 82m (10GBASE-SR/SW) • Up to 240m (10GBASE-LX4) • Up to 150m (FC-400-M5-SN-I) • Up to 50m (FC-800-M5-SN-I) • Up to 35m (FC-1600-M5-SN-I) • Up to 20m (FC-3200-M5-SN-I)	OM3 fiber: • Up to 300m (10GBASE-SR/SW) • Up to 300m (10GBASE-LX4) • Up to 100m (40GBASE-SR4 and 100GBASE-SR10) • Up to 150m (FC-800-M5E-SN-I) • Up to 100m (FC-1600-M5E-SN-I) • Up to 70m (FC-3200-M5E-SN-I) OM4 fiber: • Up to 400m (10GBASE-SR/SW) • Up to 300m (10GBASE-LX4) • Up to 150m (40GBASE-SR4 and 100GBASE-SR10) • Up to 190m (FC-800-M5F-SN-I) • Up to 125m (FC-1600-M5F-SN-I) • Up to 100m (FC-3200-M5F-SN-I)
Applications	• Legacy building backbones and zone cabling • Fiber to the enclosure – delivery of high bandwidth to workgroup applications • Fiber to the desk – digital content creation and video file transaction • Industrial Automation	• Building backbones and zone cabling • Fiber to the enclosure – delivery of high bandwidth to workgroup applications • Fiber to the desk – digital content creation and video file transaction • Industrial Automation	• Data centers (switch-to-switch horizontal links) and storage area networks • Financial and medical applications; data warehousing • High performance computing – scientific modeling, simulation and Bioninformatics
Cable	**Opti-Core® and IndustrialNet® Fiber Optic Cable**		
	OM1 Multimode	OM2 Multimode	OM3/OM4 Multimode
Fiber Optic Connectors	**OptiCam® Pre-Polished Cam, Field Polish Connectors and IndustrialNet® PCF Connectors**		
	Multimode LC, Keyed LC, ST and SC	Multimode LC, Keyed LC, ST and SC	Multimode LC, Keyed LC, and SC
Adapters, Adapter Modules, and Fiber Adapter Panels	**Fiber Optic Adapters, Mini-Com® Fiber Optic Adapter Modules, HD Flex™ and Opticom® Fiber Adapter Panels**		
	OM1 Multimode MPO/MTP*, LC, Keyed LC, SC, ST, and MT-RJ	OS1 Multimode MPO/MTP*, LC, Keyed LC, SC, ST, and MT-RJ	OM3/OM4 Multimode MPO/MTP*, LC, Keyed LC, and SC
Pre-Terminated MTP* and Splice Cassettes	**QuickNet™, HD Flex™ 1RU, HD Flex™ and QuickNet™ MTP* Series Cassettes**		
	OM1 Multimode	OM2 Multimode	OM3/OM4 Multimode
Enclosures, Trays, Patch Panels, and Accessories	**QuickNet™, HD Flex™ and Opticom® Enclosures, Trays, Patch Panels and Mini-Com® Patch Panels**		
Patch Cords, Pigtails, Reference Cable Assemblies, and Kits	**Opti-Core® Fiber Optic Patch Cords, Pigtails, and Reference Cable Assemblies and Kits**		
	OM1 Multimode LC, Keyed LC, SC, ST, and FJ®	OM2 Multimode LC, Keyed LC, SC, ST, and FJ®	OM3/OM4 Multimode LC, Keyed LC, and SC
Hydra, Interconnect, and Trunk Cable Assemblies	**QuickNet™ Hydra, Interconnect, MTP* Trunk, and Traditional Trunk Cable Assemblies**		
	OM1 Multimode	OM2 Multimode	OM3/OM4 Multimode
Termination Kits and Tools	**OptiCam®, IndustrialNet™ PCF LC and Field Polish Connector Termination Kits and Tools**		

*MTP is a registered trademark of US Conec Ltd.

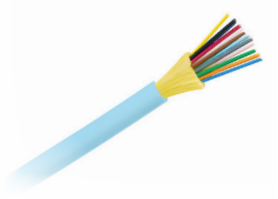
Order number of pieces required, in multiples of Standard Package Quantity.

	Panduit Multimode Systems	Panduit Singlemode Systems
	Signature Core™ OM4 50/125µm	**OS2 9/125µm**
Standards	• IEEE 802.3z 1GBASE-SX – 850nm • IEEE 802.3ae 10GBASE-SR/SW – 850nm 10GBASE-LX4 – CWDM • IEEE 802.3ba 40GBASE-SR4 - 850nm 100GBASE-SR10 - 850nm • IEEE 802.3bm 100GBASE-SR4 - 850nm • 1, 2, 4, 8, 16, 32 Gigabit Fibre Channel, (FC-x00-M5F-SN-I); x = 1, 2, 4, 8, 16, 32 • InfiniBand (IB-xX-yDR-SX); x = 1, 4, 8, 12 lanes; y = S, D, Q (Single, Double, Quadruple data rates)	• IEEE 802.3z 1GBASE-LX – 1310nm • ITU G.652.D • IEEE 802.3ae: 10GBASE-LX4 – CWDM 10GBASE-LX – 1310nm 10GBASE-EX – 1550nm • IEEE 802.3ba 40GBASE-LR4 – CWDM, 1310nm 100GBASE-LR4 – CWDM, 1310nm 100GBASE-ER4 – CWDM, 1550nm • 1, 2, 4, 8, 16, 32 Gigabit Fibre Channel, (FC-x00-SM-Ly-L); x = 1, 2, 4, 8, 16, 32; y = L, C, Z, A • InfiniBand (IB-xX-yDR-LX); x = 1, 4 lanes; y = S, D, Q (Single, Double, Quadruple data rates) • SONET OC-192 and OC-768
Bandwidth (EMBc in Mz.km)	Meets OM4 EMBc requirements and is wavelength dispersion compenstated	N/A
Reach (@850nm for MM variants)	• Up to 550m (10GBASE-SR/SW) • Up to 300m (10GBASE-LX4) • Up to 200m (40GBASE-SR4 and 100GBASE-SR10) • Up to 125m (100GBASE-SR4) • Up to 250m (FC-800-M5F-SN-I) • Up to 200m (FC-1600-M5F-SN-I) • Up to 150m (FC-3200-M5F-SN-I)	• Up to 5km (1GBASE-LX) • Up to 10km (10GBASE-LX4) • Up to 10km (10GBASE-LX) • Up to 40km (10GBASE-EX) • Up to 10km (40GBASE-LR4) • Up to 10km (100GBASE-LR4) • Up to 30/40km (100GBASE-ER4) • Up to 10km (FC-800-SM-LC-L) • Up to 1.4km (FC-800-SM-LC-I) • Up to 10km (FC-1600-SM-LC-L) • Up to 2km (FC-1600-SM-LZ-I) • Up to 10km (FC-3200-SM-LC-L)
Applications	• Data centers (switch-to-switch horizontal links) and storage area networks • Financial and medical applications; data warehousing • High performance computing – scientific modeling, simulation and Bioninformatics	• Data centers LAN and SAN networks ISLs • Campus and building backbones • Entrance facilities and equipment rooms • Passive Optical LAN • “Dark fiber” enterprise applications
Cable	**Opti-Core® and IndustrialNet® Fiber Optic Cable**	
	Signature Core	OS2 Singlemode
Fiber Optic Connectors	**OptiCam® Pre-Polished Cam, Field Polish Connectors and IndustrialNet® PCF Connectors**	
	Multimode LC	Singlemode LC, Keyed LC, ST and SC
Adapters, Adapter Modules, and Fiber Adapter Panels	**Fiber Optic Adapters, Mini-Com® Fiber Optic Adapter Modules, HD Flex™ and Opticom® Fiber Adapter Panels**	
	Signature Core Multimode MPO/MTP* and LC	OS2 Singlemode MPO/ MTP*, LC, Keyed LC, SC, ST, and FC
Pre-Terminated MTP* and Splice Cassettes	**QuickNet™, HD Flex™ 1RU, HD Flex™ and QuickNet™ MTP* Series Cassettes**	
	Signature Core	OS2 Singlemode
Enclosures, Trays, Patch Panels, and Accessories	**QuickNet™, HD Flex™ and Opticom® Enclosures, Trays, Patch Panels and Mini-Com® Patch Panels**	
Patch Cords, Pigtails, Reference Cable Assemblies, and Kits	**Opti-Core® Fiber Optic Patch Cords, Pigtails, and Reference Cable Assemblies and Kits**	
	Signature Core Multimode LC	OS2 Singlemode LC, Keyed LC, SC, ST, and FJ®
Hydra, Interconnect, and Trunk Cable Assemblies	**QuickNet™ Hydra, Interconnect, MTP* Trunk, and Traditional Trunk Cable Assemblies**	
	Multimode	OS2 Singlemode
Termination Kits and Tools	**OptiCam®, IndustrialNet™ PCF LC and Field Polish Connector Termination Kits and Tools**	

*MTP is a registered trademark of US Conec Ltd.

Opti-Core® Fiber Optic Distribution Cable

- Used in intrabuilding backbone, building backbone, and horizontal installations for riser (OFNR), plenum (OFNP), and general-purpose environments
- Available in 6, 12, and 24-fiber counts in a “single jacket” design, and in 36, 48, 72, 96 and 144-fiber counts in a sub-unit design
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- Cable design and flexible buffer tubes allow for quick breakout and ease of routing
- 900µm standards-based color-coded buffer coating protects fibers during handling and allows for easy identification and stripping
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FODRZ06Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Riser Distribution Cable (OFNR) – Multimode			
FODRZ06Y	6-fiber 50/125µm (OM4) multimode riser rated distribution cable.	6	Aqua
FODRZ12Y	12-fiber 50/125µm (OM4) multimode riser rated distribution cable.	12	Aqua
FODRZ24Y	24-fiber 50/125µm (OM4) multimode riser rated distribution cable.	24	Aqua
FODRZ36Y	36-fiber 50/125µm (OM4) multimode riser rated distribution cable; six sub-units of six fibers each.	36	Aqua
FODRZ48Y	48-fiber 50/125µm (OM4) multimode riser rated distribution cable.	48	Aqua
FODRZ72Y	72-fiber 50/125µm (OM4) multimode riser rated distribution cable.	72	Aqua
FODRZ96Y	96-fiber 50/125µm (OM4) multimode riser rated distribution cable.	96	Aqua
FODRZ1AY	144-fiber 50/125µm (OM4) multimode riser rated distribution cable.	144	Aqua
FODRX06Y	6-fiber 50/125µm (OM3) multimode riser rated distribution cable.	6	Aqua
FODRX12Y	12-fiber 50/125µm (OM3) multimode riser rated distribution cable.	12	Aqua
FODRX24Y	24-fiber 50/125µm (OM3) multimode riser rated distribution cable.	24	Aqua
FODRX36Y	36-fiber 50/125µm (OM3) multimode riser rated distribution cable; six sub-units of six fibers each.	36	Aqua
FODRX48Y	48-fiber 50/125µm (OM3) multimode riser rated distribution cable.	24	Aqua
FODRX72Y	72-fiber 50/125µm (OM3) multimode riser rated distribution cable.	72	Aqua
FODRX96Y	96-fiber 50/125µm (OM3) multimode riser rated distribution cable.	96	Aqua
FODRX1AY	144-fiber 50/125µm (OM3) multimode riser rated distribution cable.	144	Aqua
FSDR506Y	6-fiber 50/125µm (OM2) multimode riser rated distribution cable.	6	Orange
FSDR512Y	12-fiber 50/125µm (OM2) multimode riser rated distribution cable.	12	Orange
FSDR524Y	24-fiber 50/125µm (OM2) multimode riser rated distribution cable.	24	Orange
FSDR536Y	36-fiber 50/125µm (OM2) multimode riser rated distribution cable; six sub-units of six fibers each.	36	Orange
FSDR548Y	48-fiber 50/125µm (OM2) multimode riser rated distribution cable.	48	Orange
FSDR572Y	72-fiber 50/125µm (OM2) multimode riser rated distribution cable.	72	Orange
FSDR596Y	96-fiber 50/125µm (OM2) multimode riser rated distribution cable.	96	Orange
FSDR51AY	144-fiber 50/125µm (OM2) multimode riser rated distribution cable.	144	Orange

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.

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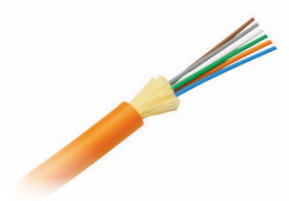
Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Fiber Optic Distribution Cable (continued)



FSDR606Y

FSDR948Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Riser Distribution Cable (OFNR) – Multimode (continued)			
FSDR606Y	6-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	6	Orange
FSDR612Y	12-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	12	Orange
FSDR624Y	24-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	24	Orange
FSDR636Y	36-fiber 62.5/125µm (OM1) multimode riser rated distribution cable; six sub-units of six fibers each.	36	Orange
FSDR648Y	48-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	48	Orange
FSDR672Y	72-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	72	Orange
FSDR696Y	96-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	96	Orange
FSDR61AY	144-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	144	Orange
Opti-Core® Riser Distribution Cable (OFNR) – Singlemode			
FSDR906Y	6-fiber 9/125µm (OS2) singlemode riser rated distribution cable.	6	Yellow
FSDR912Y	12-fiber 9/125µm (OS2) singlemode riser rated distribution cable.	12	Yellow
FSDR924Y	24-fiber 9/125µm (OS2) singlemode riser rated distribution cable.	24	Yellow
FSDR936Y	36-fiber 9/125µm (OS2) singlemode riser rated distribution cable; six sub-units of six fibers each.	36	Yellow
FSDR948Y	48-fiber 9/125µm (OS2) singlemode riser rated distribution cable; four sub-units of twelve fibers each.	48	Yellow
FSDR972Y	72-fiber 9/125µm (OS2) singlemode riser rated distribution cable.	72	Yellow
FSDR996Y	96-fiber 9/125µm (OS2) singlemode riser rated distribution cable.	96	Yellow
FSDR91AY	144-fiber 9/125µm (OS2) singlemode riser rated distribution cable.	144	Yellow

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.

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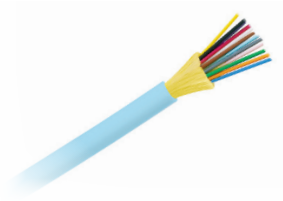
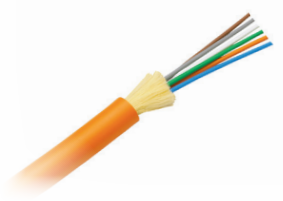
Opti-Core® Fiber Optic Distribution Cable (continued)



FODPX12Y



FSDP606Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Plenum Distribution Cable (OFNP) – Multimode			
FODPZ06Y	6-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	6	Aqua
FODPZ12Y	12-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	12	Aqua
FODPZ24Y	24-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	24	Aqua
FODPZ36Y	36-fiber 50/125µm (OM4) multimode plenum rated distribution cable; six sub-units of six fibers each.	36	Aqua
FODPZ48Y	48-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	48	Aqua
FODPZ72Y	72-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	72	Aqua
FODPZ96Y	96-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	96	Aqua
FODPZ1AY	144-fiber 50/125µm (OM4) multimode plenum rated distribution cable.	144	Aqua
FODPX06Y	6-fiber 50/125µm (OM3) multimode plenum rated distribution cable. 0/125µm (OM3) multimode riser rated distribution cable.	6	Aqua
FODPX12Y	12-fiber 50/125µm (OM3) multimode plenum rated distribution cable.	12	Aqua
FODPX24Y	24-fiber 50/125µm (OM3) multimode plenum rated distribution cable.	24	Aqua
FODPX36Y	36-fiber 50/125µm (OM3) multimode plenum rated distribution cable; six sub-units of six fibers each.	36	Aqua
FODPX48Y	48-fiber 50/125µm (OM3) multimode plenum rated distribution cable.	48	Aqua
FODPX72Y	72-fiber 50/125µm (OM3) multimode plenum rated distribution cable.	72	Aqua
FODPX96Y	96-fiber 50/125µm (OM3) multimode plenum rated distribution cable.	96	Aqua
FODPX1AY	144-fiber 50/125µm (OM3) multimode plenum rated distribution cable.	144	Aqua
FSDP506Y	6-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	6	Orange
FSDP512Y	12-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	12	Orange
FSDP524Y	24-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	24	Orange
FSDP536Y	36-fiber 50/125µm (OM2) multimode plenum rated distribution cable; six sub-units of six fibers each.	36	Orange
FSDP548Y	48-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	48	Orange
FSDP572Y	72-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	72	Orange
FSDP596Y	96-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	96	Orange
FSDP51AY	144-fiber 50/125µm (OM2) multimode plenum rated distribution cable.	144	Orange

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Fiber Optic Distribution Cable (continued)

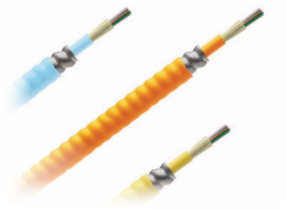
Part Number	Part Description	Fiber Count	Color
Opti-Core® Plenum Distribution Cable (OFNP) – Multimode (continued)			
FSDP606Y	6-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	6	Orange
FSDP612Y	12-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	12	Orange
FSDP624Y	24-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	24	Orange
FSDP636Y	36-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable; six sub-units of six fibers each.	36	Orange
FSDP648Y	48-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	48	Orange
FSDP672Y	72-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	72	Orange
FSDP696Y	96-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	96	Orange
FSDP61AY	144-fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	144	Orange
Opti-Core® Plenum Distribution Cable (OFNP) – Singlemode			
FSDP906Y	6-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	6	Yellow
FSDP912Y	12-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	12	Yellow
FSDP924Y	24-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	24	Yellow
FSDP936Y	36-fiber 9/125µm (OS2) singlemode plenum rated distribution cable; six sub-units of six fibers each.	36	Yellow
FSDP948Y	48-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	48	Yellow
FSDP972Y	72-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	72	Yellow
FSDP996Y	96-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	96	Yellow
FSDP91AY	144-fiber 9/125µm (OS2) singlemode plenum rated distribution cable.	144	Yellow

FSDP912Y

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Opti-Core® Fiber Optic Indoor Interlocking Armored Cable

- Used in intrabuilding backbone, building backbone, and horizontal installations for riser (OFCR), plenum (OFCP), and harsh environments
- Interlocking aluminum armor eliminates the need for inner duct or conduit to provide a smaller crush resistant pathway for design flexibility and a lower installed cost
- Available in 6, 12, 24, 36, 48, 72, 96 and 144-fiber counts
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available optimized) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 900µm standards-based color-coded buffer coating protects fibers during handling and allows for easy identification and stripping
- Cable design and flexible buffer tubes allow for quick breakout and ease of routing
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOPRZ36Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Riser Indoor Interlocking Armored Cable (OFCR) – Multimode			
FOPRZ06Y	6-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	6	Aqua
FOPRZ12Y	12-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	12	Aqua
FOPRZ24Y	24-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	24	Aqua
FOPRZ36Y	36-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	36	Aqua
FOPRZ48Y	48-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	48	Aqua
FOPRZ72Y	72-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	72	Aqua
FOPRZ96Y	96-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	96	Aqua
FOPRZ1AY	144-fiber 50/125µm (OM4) multimode riser rated indoor interlocking armored cable.	144	Aqua
FOPRX06Y	6-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	6	Aqua
FOPRX12Y	12-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	12	Aqua
FOPRX24Y	24-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	24	Aqua
FOPRX36Y	36-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	36	Aqua
FOPRX48Y	48-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	48	Aqua
FOPRX72Y	72-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	72	Aqua
FOPRX96Y	96-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	96	Aqua
FOPRX1AY	144-fiber 50/125µm (OM3) multimode riser rated indoor interlocking armored cable.	144	Aqua
FSPR506Y	6-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	6	Orange
FSPR512Y	12-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	12	Orange
FSPR524Y	24-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	24	Orange
FSPR536Y	36-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	36	Orange

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.

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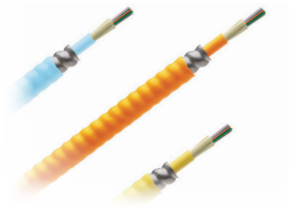
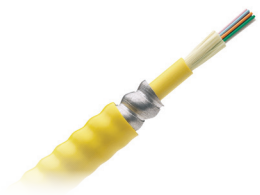
Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Fiber Optic Indoor Interlocking Armored Cable (continued)



FSPR636Y



FSPR912Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Riser Indoor Interlocking Armored Cable (OFCR) – Multimode (continued)			
FSPR548Y	48-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	48	Orange
FSPR572Y	72-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	72	Orange
FSPR596Y	96-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	96	Orange
FSPR51AY	144-fiber 50/125µm (OM2) multimode riser rated indoor interlocking armored cable.	144	Orange
FSPR606Y	6-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	6	Orange
FSPR612Y	12-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	12	Orange
FSPR624Y	24-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	24	Orange
FSPR636Y	36-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	36	Orange
FSPR648Y	48-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	48	Orange
FSPR672Y	72-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	72	Orange
FSPR696Y	96-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	96	Orange
FSPR61AY	144-fiber 62.5/125µm (OM1) multimode riser rated indoor interlocking armored cable.	144	Orange
Opti-Core® Riser Indoor Interlocking Armored Cable (OFCR) – Singlemode			
FSPR906Y	6-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	6	Yellow
FSPR912Y	12-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	12	Yellow
FSPR924Y	24-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	24	Yellow
FSPR936Y	36-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	36	Yellow
FSPR948Y	48-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	48	Yellow
FSPR972Y	72-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	72	Yellow
FSPR996Y	96-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	96	Yellow
FSPR91AY	144-fiber 9/125µm (OS2) singlemode riser rated indoor interlocking armored cable.	144	Yellow

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.

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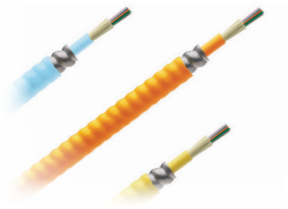
Opti-Core® Fiber Optic Indoor Interlocking Armored Cable (continued)



FOPPZ36Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Plenum Indoor Interlocking Armored Cable (OFCP) – Multimode			
FOPPZ06Y	6-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	6	Aqua
FOPPZ12Y	12-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	12	Aqua
FOPPZ24Y	24-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	24	Aqua
FOPPZ36Y	36-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	36	Aqua
FOPPZ48Y	48-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	48	Aqua
FOPPZ72Y	72-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	72	Aqua
FOPPZ96Y	96-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	96	Aqua
FOPPZ1AY	144-fiber 50/125µm (OM4) multimode plenum rated indoor interlocking armored cable.	144	Aqua
FOPPX06Y	6-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	6	Aqua
FOPPX12Y	12-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	12	Aqua
FOPPX24Y	24-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	24	Aqua
FOPPX36Y	36-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	36	Aqua
FOPPX48Y	48-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	48	Aqua
FOPPX72Y	72-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	72	Aqua
FOPPX96Y	96-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	96	Aqua
FOPPX1AY	144-fiber 50/125µm (OM3) multimode plenum rated indoor interlocking armored cable.	144	Aqua
FSPP506Y	6-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	6	Orange
FSPP512Y	12-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	12	Orange
FSPP524Y	24-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	24	Orange
FSPP536Y	36-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	36	Orange
FSPP548Y	48-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	48	Orange
FSPP572Y	72-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	72	Orange
FSPP596Y	96-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	96	Orange
FSPP51AY	144-fiber 50/125µm (OM2) multimode plenum rated indoor interlocking armored cable.	144	Orange

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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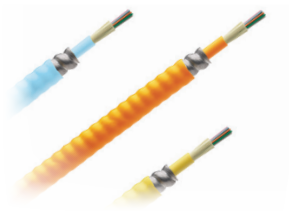
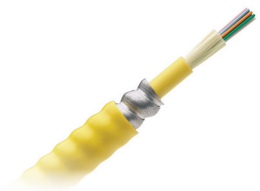
Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Fiber Optic Indoor Interlocking Armored Cable (continued)



FSPP624Y



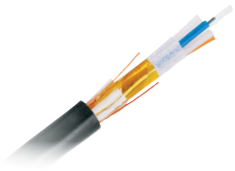
FSPP912Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Plenum Indoor Interlocking Armored Cable (OFCP) – Multimode (continued)			
FSPP606Y	6-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	6	Orange
FSPP612Y	12-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	12	Orange
FSPP624Y	24-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	24	Orange
FSPP636Y	36-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	36	Orange
FSPP648Y	48-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	48	Orange
FSPP672Y	72-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	72	Orange
FSPP696Y	96-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	96	Orange
FSPP61AY	144-fiber 62.5/125µm (OM1) multimode plenum rated indoor interlocking armored cable.	144	Orange
Opti-Core® Plenum Indoor Interlocking Armored Cable (OFCP) – Singlemode			
FSPP906Y	6-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	6	Yellow
FSPP912Y	12-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	12	Yellow
FSPP924Y	24-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	24	Yellow
FSPP936Y	36-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	36	Yellow
FSPP948Y	48-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	48	Yellow
FSPP972Y	72-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	72	Yellow
FSPP996Y	96-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	96	Yellow
FSPP91AY	144-fiber 9/125µm (OS2) singlemode plenum rated indoor interlocking armored cable.	144	Yellow

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor All-Dielectric Cable

- Allows installation using loose tube cable methods within buildings and outdoor environments for transitional aerial and duct applications, and in entrance facilities that require riser (OFNR) or plenum (OFNP) rated cable
- Eliminates the need for building entrance transition point
- All-dielectric cable construction requires no grounding or bonding
- UV resistant cable sheathing meets the light absorption requirement defined by Telcordia GR-20, Issue 2 to withstand harsh outdoor environmental demands
- Dry water-blocking technology allows rapid cable preparation and termination for lower termination costs and time (no messy gel required)
- Available in 6 and 12-fiber counts in "central loose tube" design, and in 24, 36, 48, 72, 96 and 144-fiber counts in a "stranded loose tube" design
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 250µm buffer coating protects fibers during handling and allows for ease of stripping
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOCRZ12Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Riser Indoor/Outdoor All-Dielectric Cable (OFNR) – Multimode			
FOCRZ06Y	6-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor central cable.	6	Black
FOCRZ12Y	12-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor central cable.	12	Black
FONRZ24Y	24-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor stranded cable.	24	Black
FONRZ36Y	36-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor stranded cable.	36	Black
FONRZ48Y	48-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor stranded cable.	48	Black
FONRZ72Y	72-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor stranded cable.	72	Black
FONRZ96Y	96-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor stranded cable.	96	Black
FONRZ1AY	144-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor stranded cable.	144	Black
FOCRX06Y	6-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor central cable.	6	Black
FOCRX12Y	12-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor central cable.	12	Black
FONRX24Y	24-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor stranded cable.	24	Black
FONRX36Y	36-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor stranded cable.	36	Black
FONRX48Y	48-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor stranded cable.	48	Black
FONRX72Y	72-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor stranded cable.	72	Black
FONRX96Y	96-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor stranded cable.	96	Black
FONRX1AY	144-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor All-Dielectric Cable (continued)

FSNR524Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Riser Indoor/Outdoor All-Dielectric Cable (OFNR) – Multimode (continued)			
FSCR506Y	6-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor central cable.	6	Black
FSCR512Y	12-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor central cable.	12	Black
FSNR524Y	24-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor stranded cable.	24	Black
FSNR536Y	36-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor stranded cable.	36	Black
FSNR548Y	48-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor stranded cable.	48	Black
FSNR572Y	72-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor stranded cable.	72	Black
FSNR596Y	96-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor stranded cable.	96	Black
FSNR51AY	144-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor stranded cable.	144	Black
FSCR606Y	6-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor central cable.	6	Black
FSCR612Y	12-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor central cable.	12	Black
FSNR624Y	24-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor stranded cable.	24	Black
FSNR636Y	36-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor stranded cable.	36	Black
FSNR648Y	48-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor stranded cable.	48	Black
FSNR672Y	72-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor stranded cable.	72	Black
FSNR696Y	96-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor stranded cable.	96	Black
FSNR61AY	144-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor stranded cable.	144	Black
Opti-Core® Gel-Free Riser Indoor/Outdoor All-Dielectric Cable (OFNR) – Singlemode			
FSCR906Y	6-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor central cable.	6	Black
FSCR912Y	12-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor central cable.	12	Black
FSNR924Y	24-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor stranded cable.	24	Black
FSNR936Y	36-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor stranded cable.	36	Black
FSNR948Y	48-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor stranded cable.	48	Black
FSNR972Y	72-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor stranded cable.	72	Black
FSNR996Y	96-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor stranded cable.	96	Black
FSNR91AY	144-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.

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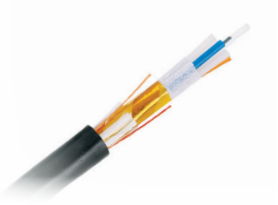
Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor All-Dielectric Cable (continued)



FONPX24Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Plenum Indoor/Outdoor All-Dielectric Cable (OFNP) – Multimode			
FOCPZ06Y	6-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor central cable.	6	Black
FOCPZ12Y	12-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor central cable.	12	Black
FONPZ24Y	24-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor stranded cable.	24	Black
FONPZ36Y	36-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor stranded cable.	36	Black
FONPZ48Y	48-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor stranded cable.	48	Black
FONPZ72Y	72-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor stranded cable.	72	Black
FONPZ96Y	96-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor stranded cable.	96	Black
FONPZ1AY	144-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor stranded cable.	144	Black
FOCPX06Y	6-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor central cable.	6	Black
FOCPX12Y	12-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor central cable.	12	Black
FONPX24Y	24-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor stranded cable.	24	Black
FONPX36Y	36-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor stranded cable.	36	Black
FONPX48Y	48-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor stranded cable.	48	Black
FONPX72Y	72-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor stranded cable.	72	Black
FONPX96Y	96-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor stranded cable.	96	Black
FONPX1AY	144-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor stranded cable.	144	Black
FSCP506Y	6-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor central cable.	6	Black
FSCP512Y	12-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor central cable.	12	Black
FSNP524Y	24-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor stranded cable.	24	Black
FSNP536Y	36-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor stranded cable.	36	Black
FSNP548Y	48-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor stranded cable.	48	Black
FSNP572Y	72-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor stranded cable.	72	Black
FSNP596Y	96-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor stranded cable.	96	Black
FSNP51AY	144-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor All-Dielectric Cable (continued)

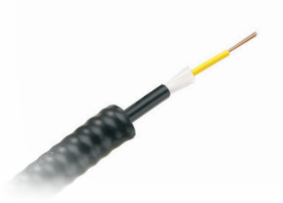
FSCP606Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Plenum Indoor/Outdoor All-Dielectric Cable (OFNP) – Multimode (continued)			
FSCP606Y	6-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor central cable.	6	Black
FSCP612Y	12-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor central cable.	12	Black
FSNP624Y	24-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor stranded cable.	24	Black
FSNP636Y	36-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor stranded cable.	36	Black
FSNP648Y	48-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor stranded cable.	48	Black
FSNP672Y	72-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor stranded cable.	72	Black
FSNP696Y	96-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor stranded cable.	96	Black
FSNP61AY	144-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor stranded cable.	144	Black
Opti-Core® Gel-Free Plenum Indoor/Outdoor All-Dielectric Cable (OFNP) – Singlemode			
FSCP906Y	6-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor central cable.	6	Black
FSCP912Y	12-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor central cable.	12	Black
FSNP924Y	24-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor stranded cable.	24	Black
FSNP936Y	36-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor stranded cable.	36	Black
FSNP948Y	48-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor stranded cable.	48	Black
FSNP972Y	72-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor stranded cable.	72	Black
FSNP996Y	96-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor stranded cable.	96	Black
FSNP91AY	144-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. ptions include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Interlocking Armored Cable

- Allows installation using loose tube cable methods within buildings and outdoor environments for transitional aerial and duct applications, and in entrance facilities that require riser (OFCR) or plenum (OFCP) rated cable
- Eliminates the need for building entrance transition point
- Interlocking aluminum armor eliminates the need for inner duct or conduit to provide a smaller crush resistant pathway for design flexibility and a lower installed cost
- UV resistant cable sheathing meets the light absorption requirement defined by Telcordia GR-20, Issue 2 to withstand harsh outdoor environmental demands
- Dry water-blocking technology allows rapid cable preparation and termination for lower termination costs and time (no messy gel required)
- Available in 6 and 12-fiber counts in “central loose tube” design, and in 24, 36, 48, 72, 96 and 144-fiber counts in a “stranded loose tube” design
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 250µm buffer coating protects fibers during handling and allows for ease of stripping
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOMRZ36Y

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Interlocking Armored Cable (OFCR) – Multimode			
FOGRZ06Y	6-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored central cable.	6	Black
FOGRZ12Y	12-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored central cable.	12	Black
FOMRZ24Y	24-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored stranded cable.	24	Black
FOMRZ36Y	36-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored stranded cable.	36	Black
FOMRZ48Y	48-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored stranded cable.	48	Black
FOMRZ72Y	72-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored stranded cable.	72	Black
FOMRZ96Y	96-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored stranded cable.	96	Black
FOMRZ1AY	144-fiber 50/125µm (OM4) multimode riser rated indoor/outdoor interlocking armored stranded cable.	144	Black
FOGRX06Y	6-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored central cable.	6	Black
FOGRX12Y	12-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored central cable.	12	Black
FOMRX24Y	24-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored stranded cable.	24	Black
FOMRX36Y	36-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored stranded cable.	36	Black
FOMRX48Y	48-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored stranded cable.	48	Black
FOMRX72Y	72-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored stranded cable.	72	Black
FOMRX96Y	96-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored stranded cable.	96	Black
FOMRX1AY	144-fiber 50/125µm (OM3) multimode riser rated indoor/outdoor interlocking armored stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
Contact Panduit Customer Service for different color options.

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Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Interlocking Armored Cable (continued)

FSMR536Y

FSGR606Y

FSGR906Y

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Interlocking Armored Cable (OFCR) – Multimode			
FSGR506Y	6-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored central cable.	6	Black
FSGR512Y	12-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored central cable.	12	Black
FSMR524Y	24-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored stranded cable.	24	Black
FSMR536Y	36-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored stranded cable.	36	Black
FSMR548Y	48-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored stranded cable.	48	Black
FSMR572Y	72-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored stranded cable.	72	Black
FSMR596Y	96-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored stranded cable.	96	Black
FSMR51AY	144-fiber 50/125µm (OM2) multimode riser rated indoor/outdoor interlocking armored stranded cable.	144	Black
FSGR606Y	6-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored central cable.	6	Black
FSGR612Y	12-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored central cable.	12	Black
FSMR624Y	24-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored stranded cable.	24	Black
FSMR636Y	36-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored stranded cable.	36	Black
FSMR648Y	48-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored stranded cable.	48	Black
FSMR672Y	72-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored stranded cable.	72	Black
FSMR696Y	96-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored stranded cable.	96	Black
FSMR61AY	144-fiber 62.5/125µm (OM1) multimode riser rated indoor/outdoor interlocking armored stranded cable.	144	Black
Opti-Core® Gel-Free Riser Indoor/Outdoor Interlocking Armored Cable (OFCR) – Singlemode			
FSGR906Y	6-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored central cable.	6	Black
FSGR912Y	12-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored central cable.	12	Black
FSMR924Y	24-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored stranded cable.	24	Black
FSMR936Y	36-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored stranded cable.	36	Black
FSMR948Y	48-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored stranded cable.	48	Black
FSMR972Y	72-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored stranded cable.	72	Black
FSMR996Y	96-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored stranded cable.	96	Black
FSMR91AY	144-fiber 9/125µm (OS2) singlemode riser rated indoor/outdoor interlocking armored stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
Contact Panduit Customer Service for different color options.

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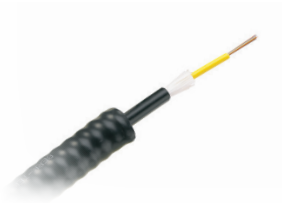
Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Interlocking Armored Cable (continued)



FOMPZ36Y

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Interlocking Armored Cable (OFCP) – Multimode			
FOGPZ06Y	6-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored central cable.	6	Black
FOGPZ12Y	12-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored central cable.	12	Black
FOMPZ24Y	24-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	24	Black
FOMPZ36Y	36-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	36	Black
FOMPZ48Y	48-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	48	Black
FOMPZ72Y	72-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	72	Black
FOMPZ96Y	96-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	96	Black
FOMPZ1AY	144-fiber 50/125µm (OM4) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	144	Black
FOGPX06Y	6-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored central cable.	6	Black
FOGPX12Y	12-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored central cable.	12	Black
FOMPX24Y	24-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	24	Black
FOMPX36Y	36-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	36	Black
FOMPX48Y	48-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	48	Black
FOMPX72Y	72-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	72	Black
FOMPX96Y	96-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	96	Black
FOMPX1AY	144-fiber 50/125µm (OM3) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	144	Black
FSGP506Y	6-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored central cable.	6	Black
FSGP512Y	12-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored central cable.	12	Black
FSMP524Y	24-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	24	Black
FSMP536Y	36-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	36	Black
FSMP548Y	48-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	48	Black
FSMP572Y	72-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	72	Black
FSMP596Y	96-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	96	Black
FSMP51AY	144-fiber 50/125µm (OM2) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
Contact Panduit Customer Service for different color options.

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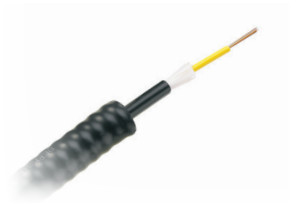
Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Interlocking Armored Cable (continued)



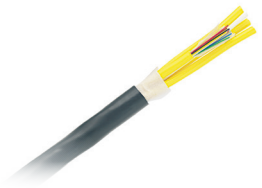
FSGP606Y

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Interlocking Armored Cable (OFCP) – Multimode (continued)			
FSGP606Y	6-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored central cable.	6	Black
FSGP612Y	12-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored central cable.	12	Black
FSMP624Y	24-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	24	Black
FSMP636Y	36-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	36	Black
FSMP648Y	48-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	48	Black
FSMP672Y	72-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	72	Black
FSMP696Y	96-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	96	Black
FSMP61AY	144-fiber 62.5/125µm (OM1) multimode plenum rated indoor/outdoor interlocking armored stranded cable.	144	Black
Opti-Core® Gel-Free Plenum Indoor/Outdoor Interlocking Armored Cable (OFCP) – Singlemode			
FSGP906Y	6-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored central cable.	6	Black
FSGP912Y	12-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored central cable.	12	Black
FSMP924Y	24-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored stranded cable.	24	Black
FSMP936Y	36-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored stranded cable.	36	Black
FSMP948Y	48-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored stranded cable.	48	Black
FSMP972Y	72-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored stranded cable.	72	Black
FSMP996Y	96-fiber 9/125µm (OS2)) singlemode plenum rated indoor/outdoor interlocking armored stranded cable.	96	Black
FSMP91AY	144-fiber 9/125µm (OS2) singlemode plenum rated indoor/outdoor interlocking armored stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.
**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
Contact Panduit Customer Service for different color options.

Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable

- Allows installation using loose tube cable methods within buildings and outdoor environments for transitional serial and duct applications, and in entrance facilities that require riser (OFNR) or plenum (OFNP) rated cable
- Eliminates the need for building entrance transition point
- All-dielectric cable construction requires no grounding or bonding
- UV resistant cable sheathing meets the light absorption requirement defined by Telcordia GR-20, Issue 2 to withstand harsh outdoor environmental demands
- Dry water-blocking technology allows rapid cable preparation and termination for lower termination costs and time (no messy gel required)
- Available in 6 and 12-fiber counts in "central loose tube" design, and in 24, 36, 48, 72, 96 and 144-fiber counts in a "stranded loose tube" design
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 250µm buffer coating protects fibers during handling and allows for ease of stripping
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOKRZ36

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) - Multimode			
FOKRZ02	2-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	2	Black
FOKRZ04	4-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	4	Black
FOKRZ06	6-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	6	Black
FOKRZ08	8-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	8	Black
FOKRZ12	12-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	12	Black
FOKRZ24	24-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	24	Black
FOKRZ36	36-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	36	Black
FOKRZ48	48-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	48	Black
FOKRZ72	72-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	72	Black
FOKRZ96	96-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	96	Black
FOKRZ1A	144-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	144	Black
FOKRX02	2-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	2	Black
FOKRX04	4-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	4	Black
FOKRX06	6-fiber OM3multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	6	Black
FOKRX08	8-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	8	Black
FOKRX12	12-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	12	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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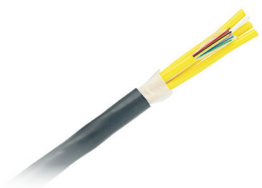
Order number of pieces required, in multiples of Standard Package Quantity.

Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable (continued)



FSKR504

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) - Multimode (continued)			
FOKRX24	24-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	24	Black
FOKRX36	36-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	36	Black
FOKRX48	48-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	48	Black
FOKRX72	72-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	72	Black
FOKRX96	96-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	96	Black
FOKRX1A	144-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable w/tight buffered fibers.	144	Black
FSKR502	2-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	2	Black
FSKR504	4-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	4	Black
FSKR506	6-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	6	Black
FSKR508	8-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	8	Black
FSKR512	12-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	12	Black
FSKR524	24-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	24	Black
FSKR536	36-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	36	Black
FSKR548	48-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	48	Black
FSKR572	72-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	72	Black
FSKR596	96-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	96	Black
FSKR51A	144-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	144	Black
FSKR602	2-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	2	Black
FSKR604	4-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	4	Black
FSKR606	6-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	6	Black
FSKR608	8-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	8	Black
FSKR612	12-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	12	Black
FSKR624	24-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	24	Black
FSKR636	36-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	36	Black
FSKR648	48-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	48	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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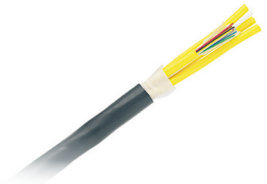
Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable (continued)



FSKR908

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) - Multimode (continued)			
FSKR672	72-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	72	Black
FSKR696	96-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	96	Black
FSKR61A	144-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	144	Black
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) - Singlemode			
FSKR902	2-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	2	Black
FSKR904	4-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	4	Black
FSKR906	6-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	6	Black
FSKR908	8-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	8	Black
FSKR912	12-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	12	Black
FSKR924	24-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	24	Black
FSKR936	36-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	36	Black
FSKR948	48-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	48	Black
FSKR972	72-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	72	Black
FSKR996	96-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	96	Black
FSKR91A	144-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable w/tight buffered fibers.	144	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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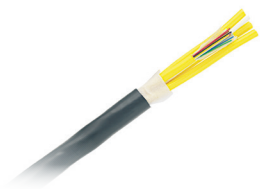
Order number of pieces required, in multiples of Standard Package Quantity.

Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable (continued)



FOKPZ24

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) - Multimode			
FOKPZ02	2-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	2	Black
FOKPZ04	4-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	4	Black
FOKPZ06	6-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	6	Black
FOKPZ08	8-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	8	Black
FOKPZ12	12-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	12	Black
FOKPZ24	24-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	24	Black
FOKPZ36	36-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	36	Black
FOKPZ48	48-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	48	Black
FOKPZ72	72-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	72	Black
FOKPZ96	96-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	96	Black
FOKPZ1A	144-fiber OM4 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	144	Black
FOKPX02	2-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	2	Black
FOKPX04	4-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	4	Black
FOKPX06	6-fiber OM3multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	6	Black
FOKPX08	8-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	8	Black
FOKPX12	12-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	12	Black
FOKPX24	24-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	24	Black
FOKPX36	36-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	36	Black
FOKPX48	48-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	48	Black
FOKPX72	72-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	72	Black
FOKPX96	96-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	96	Black
FOKPX1A	144-fiber OM3 multimode Plenum (OFNP) indoor/outdoor all-dielectric cable w/tight buffered fibers.	144	Black
FSKP502	2-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	2	Black
FSKP504	4-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	4	Black
FSKP506	6-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	6	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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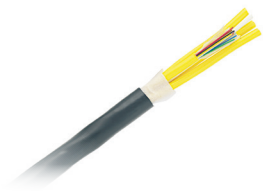
Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable (continued)



FSKP612

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) - Multimode			
FSKP508	8-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	8	Black
FSKP512	12-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	12	Black
FSKP524	24-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	24	Black
FSKP536	36-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	36	Black
FSKP548	48-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	48	Black
FSKP572	72-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	72	Black
FSKP596	96-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	96	Black
FSKP51A	144-fiber OM2 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	144	Black
FSKP602	2-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	2	Black
FSKP604	4-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	4	Black
FSKP606	6-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	6	Black
FSKP608	8-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	8	Black
FSKP612	12-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	12	Black
FSKP624	24-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	24	Black
FSKP636	36-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	36	Black
FSKP648	48-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	48	Black
FSKP672	72-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	72	Black
FSKP696	96-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	96	Black
FSKP61A	144-fiber OM1 multimode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	144	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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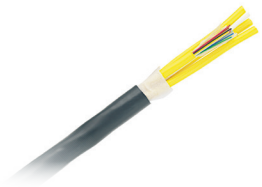
Order number of pieces required, in multiples of Standard Package Quantity.

Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable (continued)



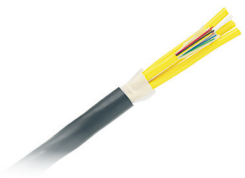
FSKP936

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) – Singlemode			
FSKP902	2-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	2	Black
FSKP904	4-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	4	Black
FSKP906	6-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	6	Black
FSKP908	8-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	8	Black
FSKP912	12-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	12	Black
FSKP924	24-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	24	Black
FSKP936	36-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	36	Black
FSKP948	48-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	48	Black
FSKP972	72-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	72	Black
FSKP996	96-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	96	Black
FSKP91A	144-fiber OS2 singlemode Plenum (OFNP) indoor/outdoor all-dieletric cable w/tight buffered fibers.	144	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable with Interlocking Aluminum Armor

- Used in intrabuilding backbone, building backbone, and horizontal installations for riser (OFCR), plenum (OFCP), and harsh environments
- Interlocking aluminum armor eliminates the need for inner duct or conduit to provide a smaller crush resistant pathway for design flexibility and a lower installed cost
- Available in 6, 12, 24, 36, 48, 72, 96 and 144-fiber counts
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 900µm standards-based color-coded buffer coating protects fibers during handling and allows for easy identification and stripping
- Cable design and 900µm buffered fibers allow for quick breakout and easy termination
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOLRZ24

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) with Interlocking Aluminum Armor - Multimode			
FOLRZ02	2-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FOLRZ04	4-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FOLRZ06	6-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FOLRZ08	8-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FOLRZ12	12-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FOLRZ24	24-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FOLRZ36	36-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FOLRZ48	48-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FOLRZ72	72-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FOLRZ96	96-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FOLRZ1A	144-fiber OM4 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	144	Black
FOLRX02	2-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FOLRX04	4-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FOLRX06	6-fiber OM3multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FOLRX08	8-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FOLRX12	12-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FOLRX24	24-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FOLRX36	36-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FOLRX48	48-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	48	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets. Contact Panduit Customer Service for different color options.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Order number of pieces required, in multiples of Standard Package Quantity.

Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable with Interlocking Aluminum Armor (continued)

FSLR524

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) with Interlocking Aluminum Armor - Multimode (continued)			
FOLRX72	72-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FOLRX96	96-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FOLRX1A	144-fiber OM3 multimode riser (OFNR) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	144	Black
FSLR502	2-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FSLR504	4-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FSLR506	6-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FSLR508	8-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FSLR512	12-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FSLR524	24-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FSLR536	36-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FSLR548	48-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FSLR572	72-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FSLR596	96-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FSLR51A	144-fiber OM2 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	144	Black
FSLR602	2-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FSLR604	4-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FSLR606	6-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FSLR608	8-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FSLR612	12-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FSLR624	24-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FSLR636	36-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FSLR648	48-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FSLR672	72-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FSLR696	96-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FSLR61A	144-fiber OM1 multimode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	144	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets. Contact Panduit Customer Service for different color options.

For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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Opticore® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable with Interlocking Aluminum Armor (continued)

FSLR924

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Riser Indoor/Outdoor Tight Buffered Cable (OFNR) with Interlocking Aluminum Armor - Singlemode			
FSLR902	2-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FSLR904	4-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FSLR906	6-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FSLR908	8-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FSLR912	12-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FSLR924	24-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FSLR936	36-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FSLR948	48-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FSLR972	72-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FSLR996	96-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FSLR91A	144-fiber OS2 singlemode riser (OFNR) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	144	Black
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) with Interlocking Aluminum Armor - Multimode			
FOLPZ02	2-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FOLPZ04	4-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FOLPZ06	6-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FOLPZ08	8-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FOLPZ12	12-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FOLPZ24	24-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FOLPZ36	36-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	36	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets. Contact Panduit Customer Service for different color options.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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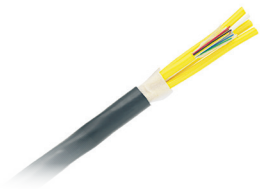
Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable with Interlocking Aluminum Armor (continued)



FOLPX24

Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) with Interlocking Aluminum Armor - Multimode (continued)			
FOLPZ48	48-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FOLPZ72	72-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FOLPZ96	96-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FOLPZ1A	144-fiber OM4 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	144	Black
FOLPX02	2-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FOLPX04	4-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FOLPX06	6-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FOLPX08	8-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FOLPX12	12-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FOLPX24	24-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FOLPX36	36-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FOLPX48	48-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FOLPX72	72-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FOLPX96	96-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FOLPX1A	144-fiber OM3 multimode plenum (OFNP) indoor/outdoor all-dielectric cable with tight buffered fiber interlocking aluminum armor.	144	Black
FSLP502	2-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FSLP504	4-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FSLP506	6-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FSLP508	8-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FSLP512	12-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FSLP524	24-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FSLP536	36-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FSLP548	48-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FSLP572	72-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	72	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets. Contact Panduit Customer Service for different color options.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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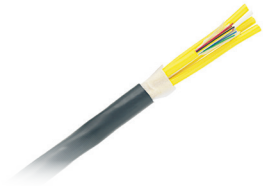
Opti-Core® Gel-Free Fiber Optic Indoor/Outdoor Tight Buffered Cable with Interlocking Aluminum Armor (continued)



FSLP904

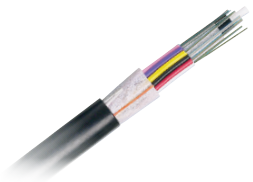
Part Number	Part Description	Fiber Count	Color**
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) with Interlocking Aluminum Armor - Multimode (continued)			
FSLP596	96-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FSLP51A	144-fiber OM2 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	144	Black
FSLP602	2-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FSLP604	4-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FSLP606	6-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FSLP608	8-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FSLP612	12-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FSLP624	24-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FSLP636	36-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FSLP648	48-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FSLP672	72-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FSLP696	96-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FSLP61A	144-fiber OM1 multimode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	144	Black
Opti-Core® Gel-Free Plenum Indoor/Outdoor Tight Buffered Cable (OFNP) Interlocking Aluminum Armor - Singlemode			
FSLP902	2-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	2	Black
FSLP904	4-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	4	Black
FSLP906	6-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	6	Black
FSLP908	8-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	8	Black
FSLP912	12-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	12	Black
FSLP924	24-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	24	Black
FSLP936	36-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	36	Black
FSLP948	48-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	48	Black
FSLP972	72-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	72	Black
FSLP996	96-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	96	Black
FSLP91A	144-fiber OS2 singlemode plenum (OFNP) indoor/outdoor all-dieletric cable with tight buffered fiber interlocking aluminum armor.	144	Black

**Black outer jacket is standard. Also available with aqua, yellow and orange outer jackets. Contact Panduit Customer Service for different color options. For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Outside Plant All-Dielectric Cable

- Allows installation using loose tube cable methods for aerial and duct applications
- Gel-free design with water swellable tape provides dry water blocking
- All-dielectric construction provides a non-metallic design that eliminates the need to bond or ground for aerial or duct applications, allowing easy access to cable for lower installation costs
- UV resistant cable sheathing protects the cable and meets or exceeds the performance requirements of Telcordia GR-20, Issue 2 and ICEA 640 to withstand harsh outdoor environmental demands
- Tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables
- Complies with RUS 7 CFR 1755.900 requirements for fiber optic service entrance cables
- Available in 6, 12, 24, 36, 48, 72, 96 and 144-fiber counts as a “stranded loose tube” design
- Medium density polyethylene jacket provides low friction installation
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 250µm buffer coating protects fibers during handling and allows for ease of stripping
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOTNZ36

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Outside Plant All-Dielectric Cable – Multimode			
FOTNZ06	6-fiber 50/125µm (OM4) multimode outside plant stranded cable.	6	Black
FOTNZ12	12-fiber 50/125µm (OM4) multimode outside plant stranded cable.	12	Black
FOTNZ24	24-fiber 50/125µm (OM4) multimode outside plant stranded cable.	24	Black
FOTNZ36	36-fiber 50/125µm (OM4) multimode outside plant stranded cable.	36	Black
FOTNZ48	48-fiber 50/125µm (OM4) multimode outside plant stranded cable.	48	Black
FOTNZ72	72-fiber 50/125µm (OM4) multimode outside plant stranded cable.	72	Black
FOTNZ96	96-fiber 50/125µm (OM4) multimode outside plant stranded cable.	96	Black
FOTNZ1A	144-fiber 50/125µm (OM4) multimode outside plant stranded cable.	144	Black
FOTNX06	6-fiber 50/125µm (OM3) multimode outside plant stranded cable.	6	Black
FOTNX12	12-fiber 50/125µm (OM3) multimode outside plant stranded cable.	12	Black
FOTNX24	24-fiber 50/125µm (OM3) multimode outside plant stranded cable.	24	Black
FOTNX36	36-fiber 50/125µm (OM3) multimode outside plant stranded cable.	36	Black
FOTNX48	48-fiber 50/125µm (OM3) multimode outside plant stranded cable.	48	Black
FOTNX72	72-fiber 50/125µm (OM3) multimode outside plant stranded cable.	72	Black
FOTNX96	96-fiber 50/125µm (OM3) multimode outside plant stranded cable.	96	Black
FOTNX1A	144-fiber 50/125µm (OM3) multimode outside plant stranded cable.	144	Black
FSTN506	6-fiber 50/125µm (OM2) multimode outside plant stranded cable.	6	Black
FSTN512	12-fiber 50/125µm (OM2) multimode outside plant stranded cable.	12	Black
FSTN524	24-fiber 50/125µm (OM2) multimode outside plant stranded cable.	24	Black
FSTN536	36-fiber 50/125µm (OM2) multimode outside plant stranded cable.	36	Black
FSTN548	48-fiber 50/125µm (OM2) multimode outside plant stranded cable.	48	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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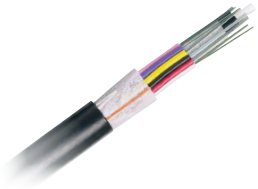
Opti-Core® Gel-Free Fiber Optic Outside Plant All-Dielectric Cable (continued)



FSTN636

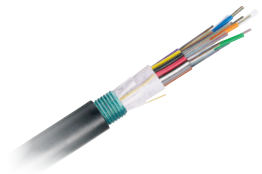
Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Outside Plant All-Dielectric Cable – Multimode			
FSTN572	72-fiber 50/125µm (OM2) multimode outside plant stranded cable.	72	Black
FSTN596	96-fiber 50/125µm (OM2) multimode outside plant stranded cable.	96	Black
FSTN51A	144-fiber 50/125µm (OM2) multimode outside plant stranded cable.	144	Black
FSTN606	6-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	6	Black
FSTN612	12-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	12	Black
FSTN624	24-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	24	Black
FSTN636	36-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	36	Black
FSTN648	48-fiber 50/125µm (OM1) multimode outside plant stranded cable.	48	Black
FSTN672	72-fiber 50/125µm (OM1) multimode outside plant stranded cable.	72	Black
FSTN696	96-fiber 50/125µm (OM1) multimode outside plant stranded cable.	96	Black
FSTN61A	144-fiber 50/125µm (OM1) multimode outside plant stranded cable.	144	Black
Opti-Core® Gel-Free Outside Plant All-Dielectric Cable – Singlemode			
FSTN906	6-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	6	Black
FSTN912	12-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	12	Black
FSTN924	24-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	24	Black
FSTN936	36-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	36	Black
FSTN948	48-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	48	Black
FSTN972	72-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	72	Black
FSTN996	96-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	96	Black
FSTN91A	144-fiber 9/125µm (OS2) singlemode outside plant stranded cable.	144	Black

Contact Panduit for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Gel-Free Fiber Optic Outside Plant Armored Cable

- Allows installation using loose tube cable methods for aerial, duct, and direct burial applications
- Gel-free design with water swellable tape provides dry water blocking
- Corrugated steel armor provides superior crush resistance and rodent protection for extended durability
- UV resistant cable sheathing protects the cable and meets or exceeds the performance requirements of Telcordia GR-20, Issue 2 and ICEA 640 to withstand harsh outdoor environmental demands
- Tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables
- Complies with RUS 7 CFR 1755.900 requirements for fiber optic service entrance cables
- Available in 6, 12, 24, 36, 48, 72, 96 and 144-fiber counts as a "stranded loose tube" design
- Medium density polyethylene jacket provides low friction installation and excellent protection from environmental hazards to extend protection and reliability
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 250µm buffer coating protects fibers during handling and allows for ease of stripping
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



FOWNZ48

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Outside Plant Armored Cable – Multimode			
FOWNZ06	6-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	6	Black
FOWNZ12	12-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	12	Black
FOWNZ24	24-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	24	Black
FOWNZ36	36-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	36	Black
FOWNZ48	48-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	48	Black
FOWNZ72	72-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	72	Black
FOWNZ96	96-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	96	Black
FOWNZ1A	144-fiber 50/125µm (OM4) multimode outside plant armored stranded cable.	144	Black
FOWNX06	6-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	6	Black
FOWNX12	12-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	12	Black
FOWNX24	24-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	24	Black
FOWNX36	36-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	36	Black
FOWNX48	48-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	48	Black
FOWNX72	72-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	72	Black
FOWNX96	96-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	96	Black
FOWNX1A	144-fiber 50/125µm (OM3) multimode outside plant armored stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

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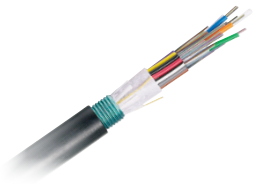
Opti-Core® Gel-Free Fiber Optic Outside Plant Armored Cable (continued)



FSWN536

Part Number	Part Description	Fiber Count	Color
Opti-Core® Gel-Free Outside Plant Armored Cable – Multimode			
FSWN506	6-fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	6	Black
FSWN512	12-fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	12	Black
FSWN524	24-fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	24	Black
FSWN536	36-fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	36	Black
FSWN548	48-Fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	48	Black
FSWN572	72-Fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	72	Black
FSWN596	96-Fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	96	Black
FSWN51A	144-Fiber 50/125µm (OM2) multimode outside plant armored stranded cable.	144	Black
FSWN606	6-fiber 62.5/125µm (OM1) multimode outside plant armored stranded cable.	6	Black
FSWN612	12-fiber 62.5/125µm (OM1) multimode outside plant armored stranded cable.	12	Black
FSWN624	24-fiber 62.5/125µm (OM1) multimode outside plant armored stranded cable.	24	Black
FSWN636	36-fiber 62.5/125µm (OM1) multimode outside plant armored stranded cable.	36	Black
FSWN648	48-Fiber 50/125µm (OM1) multimode outside plant armored stranded cable.	48	Black
FSWN672	72-Fiber 50/125µm (OM1) multimode outside plant armored stranded cable.	72	Black
FSWN696	96-Fiber 50/125µm (OM1) multimode outside plant armored stranded cable.	96	Black
FSWN61A	144-Fiber 50/125µm (OM1) multimode outside plant armored stranded cable.	144	Black
Opti-Core® Gel-Free Outside Plant Armored Cable – Singlemode			
FSWN906	6-fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	6	Black
FSWN912	12-fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	12	Black
FSWN924	24-fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	24	Black
FSWN936	36-fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	36	Black
FSWN948	48-Fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	48	Black
FSWN972	72-Fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	72	Black
FSWN996	96-Fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	96	Black
FSWN91A	144-Fiber 9/125µm (OS2) singlemode outside plant armored stranded cable.	144	Black

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, sub-unit counts, armoring, premium optical performance grades and ribbonized constructions.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Opti-Core® Fiber Optic Interconnect Cable

- Used in interconnect and horizontal installations for riser (OFNR), plenum (OFNP), and general-purpose environments
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- Colored buffers for ease of identification
- High quality buffering offers ease of stripping while maintaining optical performance
- Small diameter and flexible jackets allow for routing in tight spaces such as panels, cable trays, and fiber-to-the-desk (FTTD) applications
- Other diameters available to meet your application needs
- Opti-Core® Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements

FOIRZ02Y

FSIR602Y

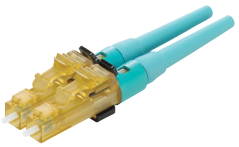
FSIP902Y

Part Number	Part Description	Fiber Count	Color
Opti-Core® Riser Interconnect Cable (OFNR) – Multimode			
FOIRZ02Y	2-fiber 50/125µm (OM4) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FOIRX02Y	2-fiber 50/125µm (OM3) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FSIR502Y	2-fiber 50/125µm (OM2) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Orange
FSIR602Y	2-fiber 62.5/125µm (OM1) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Orange
Opti-Core® Riser Interconnect Cable (OFNR) – Singlemode			
FSIR902Y	2-fiber 9/125µm (OS2) singlemode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Yellow
Opti-Core® Plenum Interconnect Cable (OFNP) – Multimode			
FOIPZ02Y	2-fiber 50/125µm (OM4) multimode plenum rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FOIPX02Y	2-fiber 50/125µm (OM3) multimode plenum rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FSIP502Y	2-fiber 50/125µm (OM2) multimode plenum rated interconnect cable; 2.9mm dia., zip-cord.	2	Orange
FSIP602Y	2-fiber 62.5/125µm (OM1) multimode plenum rated interconnect cable; 2.9mm dia., zip-cord.	2	Orange
Opti-Core® Plenum Interconnect Cable (OFNP) – Singlemode			
FSIP902Y	2-fiber 9/125µm (OS2) singlemode plenum rated interconnect cable; 2.9mm dia., zip-cord.	2	Yellow

Contact Panduit Customer Service for minimum order quantities, availability, and additional product configurations.
Options include diameters, jacket colors, flame ratings and premium optical performance grades.
For Labeling and Identification (Section M), see pages M.1 thru M.18.
For additional product information, refer to www.panduit.com.

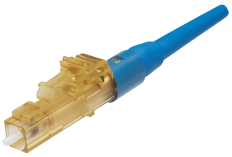
PATENTED LC OptiCam® Fiber Optic Connectors – Pre-Polished Cam Termination

- TIA/EIA-604 FOCIS-10 compatible connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector backbone and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.3dB average (multimode and singlemode)
- Return loss: >26dB (multimode), >20dB (multimode), >50dB (singlemode)
- Quick installation; provide field termination in less than half the time of field polish connectors
- Patented re-termination capability provides yield rates approaching 100%
- Factory pre-polished fiber endface eliminates time-consuming field polishing to reduce installation costs, labor, scrap and the number of tools required
- Cam activated fiber and buffer clamp mechanisms provide superior fiber and buffer retention – less sensitivity to fiber tensile loading
- OptiCam® Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing visual indication of proper termination after the cam step has been completed
- Cable retention boot assemblies consistently provide higher than industry standard cable retention
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- Fiber cable size: accepts 900µm tight-buffered fiber with included boot(s); accepts 1.6mm – 2.0mm and 3.0mm jacketed cable with available OptiCam® Cable Retention Boot Assemblies (ten per package)
- For 250µm coated fiber termination, use fan-out kits on page C.43
- Ferrule type: 1.25mm zirconia ceramic (highest durability for repeated matings)
- Use OptiCam® Termination Kit (FCAMKIT) on page C.46


FLCDMCXAQY

FLCDMC5BLY

FLCDMC6EIY


FLCSSCBUY

FMCBT2AQ-X

FLCCLIPBL-L

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
LC OptiCam® OM3/OM4 50/125µm Multimode Fiber Optic Connectors				
FLCSMCXAQY*	LC OptiCam® 50/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
FLCDMCXAQY	LC OptiCam® 50/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
LC OptiCam® OM2 50/125µm Multimode Fiber Optic Connectors				
FLCSMC5BLY*	LC OptiCam® 50/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
FLCDMC5BLY	LC OptiCam® 50/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
LC OptiCam® OM1 62.5/125µm Multimode Fiber Optic Connectors				
FLCSMC6EIY*	LC OptiCam® 62.5/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
FLCDMC6EIY	LC OptiCam® 62.5/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
LC OptiCam® OS2 Singlemode Fiber Optic Connectors				
FLCSSCBUY*	LC OptiCam® Singlemode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Blue	1	10
FLCDSCBUY	LC OptiCam® Singlemode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Blue	1	10
OptiCam® 1.6/2.0mm Cable Retention Boot Assemblies				
FMCBT2AQ-X	OptiCam® OM3 1.6/2.0mm Cable Retention Boot.	Aqua	10	100
FMCBT2BL-X	OptiCam® OM2 Multimode 1.6/2.0mm Cable Retention Boot.	Black	10	100
FMCBT2EI-X	OptiCam® OM1 Multimode 3.0mm Cable Retention Boot.	Electric Ivory	10	100
FSCBT2BU-X	OptiCam® OS2 Singlemode 3.0mm Cable Retention Boot.	Blue	10	100
OptiCam® 3.0mm Cable Retention Boot Assemblies				
FMCBT3AQ-X	OptiCam® OM3 3.0mm Cable Retention Boot.	Aqua	10	100
FMCBT3BL-X	OptiCam® OM2 Multimode 3.0mm Cable Retention Boot.	Black	10	100
FMCBT3EI-X	OptiCam® OM1 Multimode 3.0mm Cable Retention Boot.	Electric Ivory	10	100
FSCBT3BU-X	OptiCam® OS2 Singlemode 3.0mm Cable Retention Boot.	Blue	10	100
LC OptiCam® Duplex Clip				
FLCCLIPBL-L	LC OptiCam® Duplex Clip for duplexing two simplex LC OptiCam® Multimode or Singlemode Connectors.	Black	50	—

*Simplex connectors are available in 100 count bulk packages by adding -C to the part number.

Order number of pieces required, in multiples of Standard Package Quantity.

SC OptiCam® Fiber Optic Connectors – Pre-Polished Cam Termination

PATENTED

- TIA/EIA-604 FOCIS-3 compliant connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector backbone and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.3dB average (multimode and singlemode)
- Return loss: >26dB (multimode), >20dB (multimode), >50dB (singlemode)
- Quick installation; provide field termination in less than half the time of field polish connectors
- Patented re-termination capability provides yield rates approaching 100%
- Factory pre-polished fiber endface eliminates time-consuming field polishing to reduce installation costs, labor, scrap and the number of tools required
- Cam activated fiber and buffer clamp mechanisms provide superior fiber and buffer retention – less sensitivity to fiber tensile loading
- OptiCam® Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing visual indication of proper termination after the cam step has been completed
- Cable retention boot assemblies consistently provide higher than industry standard cable retention
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- Fiber cable size: accepts 900µm tight-buffered fiber with included boot(s); accepts 1.6mm – 2.0mm and 3.0mm jacketed cable with available OptiCam® Cable Retention Boot Assemblies (ten per package)
- For 250µm coated fiber termination, use fan-out kits on page C.43
- Ferrule type: 2.5mm zirconia ceramic (highest durability for repeated matings) or composite to meet a variety of application requirements
- Use OptiCam® Termination Kit (FCAMKIT) on page C.46

FSCDMCXAQ

FSCDMC5BL

FSCSCBU

FMCBT3BL-X

FSCCLIP-L

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
SC OptiCam® OM3/OM4 50/125µm Multimode Fiber Optic Connectors				
FSCMCXAQ*	SC OptiCam® 50/125µm OM3/OM4 Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
FSCDMCXAQ	SC OptiCam® 50/125µm OM3/OM4 Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
SC OptiCam® OM2 50/125µm Multimode Fiber Optic Connectors				
FSCMC5BL*	SC OptiCam® 50/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
FSCDMC5BL	SC OptiCam® 50/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
SC OptiCam® OM1 62.5/125µm Multimode Fiber Optic Connectors				
FSCMC6EI*	SC OptiCam® 62.5/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
FSCDMC6EI	SC OptiCam® 62.5/125µm Multimode Duplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
SC OptiCam® OS2 Singlemode Fiber Optic Connectors				
FSCSCBU*	SC OptiCam® Singlemode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Blue	1	10
OptiCam® 1.6/2.0mm Cable Retention Boot Assemblies				
FMCBT2AQ-X	OptiCam® OM3/OM4 1.6/2.0mm Cable Retention Boot.	Aqua	10	100
FMCBT2BL-X	OptiCam® OM2 Multimode 1.6/2.0mm Cable Retention Boot.	Black	10	100
FMCBT2EI-X	OptiCam® OM1 Multimode 1.6/2.0mm Cable Retention Boot.	Electric Ivory	10	100
FSCBT2BU-X	OptiCam® OS2 Singlemode 1.6/2.0mm Cable Retention Boot.	Blue	10	100
OptiCam® 3.0mm Cable Retention Boot Assemblies				
FMCBT3AQ-X	OptiCam® OM3/OM4 3.0mm Cable Retention Boot.	Aqua	10	100
FMCBT3BL-X	OptiCam® OM2 Multimode 3.0mm Cable Retention Boot.	Black	10	100
FMCBT3EI-X	OptiCam® OM1 Multimode 3.0mm Cable Retention Boot.	Electric Ivory	10	100
FSCBT3BU-X	OptiCam® OS2 Singlemode 3.0mm Cable Retention Boot.	Blue	10	100
SC Duplex Clip				
FSCCLIP-L	SC duplex clip for duplexing two simplex Panduit SC multimode or singlemode connectors.	Black	50	—

*Simplex connectors are available in 100 count bulk packages by adding -C to the part number.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
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F. Zone Cabling
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K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

PATENTED

ST OptiCam® Fiber Optic Connectors – Pre-Polished Cam Termination

- TIA/EIA-604 FOCIS-2 compliant connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector backbone and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.3dB average (multimode and singlemode)
- Return loss: >26dB (multimode), >20dB (multimode), >50dB (singlemode)
- Quick installation; provide field termination in less than half the time of field polish connectors
- Patented re-termination capability provides yield rates approaching 100%
- Factory pre-polished fiber endface eliminates time-consuming field polishing to reduce installation costs, labor, scrap and the number of tools required
- Cam activated fiber and buffer clamp mechanisms provide superior fiber and buffer retention – less sensitivity to fiber tensile loading
- OptiCam® Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing visual indication of proper termination after the cam step has been completed
- Cable retention boot assemblies consistently provide higher than industry standard cable retention
- Fiber cable size: accepts 900µm tight-buffered fiber with included boot(s); accepts 1.6mm – 2.0mm and 3.0mm jacketed cable with available OptiCam® Cable Retention Boot Assemblies (ten per package)
- For 250µm coated fiber termination, use fan-out kits on page C.43
- Ferrule type: 2.5mm zirconia ceramic (highest durability for repeated matings) or composite to meet a variety of application requirements
- Use OptiCam® Termination Kit (FCAMKIT) on page C.46

FSTMCXAQ

FSTMC5BL

FSTSCBU

FSCBT2BU-X

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
ST OptiCam® OM3/OM4 50/125µm Multimode Fiber Optic Connectors				
FSTMCXAQ*	ST OptiCam® 50/125µm OM3/OM4 Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Aqua	1	10
ST OptiCam® OM2 50/125µm Multimode Fiber Optic Connectors				
FSTMC5BL*	ST OptiCam® 50/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Black	1	10
ST OptiCam® OM1 62.5/125µm Multimode Fiber Optic Connectors				
FSTMC6EI*	ST OptiCam® 62.5/125µm Multimode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Electric Ivory	1	10
ST OptiCam® OS2 Singlemode Fiber Optic Connectors				
FSTSCBU*	ST OptiCam® Singlemode Simplex Fiber Optic Connector for 900µm tight-buffered fiber installation.	Blue	1	10
OptiCam® 1.6/2.0mm Cable Retention Boot Assemblies				
FMCBT2AQ-X	OptiCam® OM3/OM4 1.6/2.0mm Cable Retention Boot.	Aqua	10	100
FMCBT2BL-X	OptiCam® OM2 Multimode 1.6/2.0mm Cable Retention Boot.	Black	10	100
FMCBT2EI-X	OptiCam® OM1 Multimode 1.6/2.0mm Cable Retention Boot.	Electric Ivory	10	100
FSCBT2BU-X	OptiCam® OS2 Singlemode 1.6/2.0mm Cable Retention Boot.	Blue	10	100
OptiCam® 3.0mm Cable Retention Boot Assemblies				
FMCBT3AQ-X	OptiCam® OM3/OM4 3.0mm Cable Retention Boot.	Aqua	10	100
FMCBT3BL-X	OptiCam® OM2 Multimode 3.0mm Cable Retention Boot.	Black	10	100
FMCBT3EI-X	OptiCam® OM1 Multimode 3.0mm Cable Retention Boot.	Electric Ivory	10	100
FSCBT3BU-X	OptiCam® OS2 Singlemode 3.0mm Cable Retention Boot.	Blue	10	100

*Simplex connectors are available in 100 count bulk packages by adding -C to the part number.

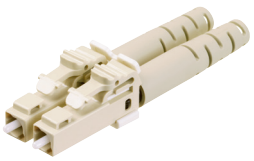
Order number of pieces required, in multiples of Standard Package Quantity.

LC Fiber Optic Connectors – Field Polish Termination

- TIA/EIA-604 FOCIS-10 compatible connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector housing and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.10dB average (multimode and singlemode)
- Return loss: >20dB (multimode), >40dB (singlemode)
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- Each simplex connector includes connector body/ferrule assembly, crimp sleeve, one boot for 900µm buffered fiber and one boot for 1.6mm – 2.0mm jacketed cable and one dust cap; 3.0mm jacketed cable connectors are also available separately
- Each duplex connector includes two connector body/ferrule assemblies, two crimp sleeves, two boots for 1.6mm – 2.0mm or 3.0mm jacketed cable or two boots for 900µm buffered fiber, two dust caps and one duplex clip
- LC duplex clip available separately for duplexing two simplex Panduit LC Connectors
- Fiber cable type: tight-buffered recommended
- Fiber cable size: accepts 1.6mm – 2.0mm or 3.0mm jacketed cable, or 900µm buffered fiber (noted in part description)
- For 250µm coated fiber termination, use fan-out kits on page C.43
- Ferrule type: 1.25mm zirconia ceramic (highest durability for repeated matings)
- Field polish termination – Panduit recommends anaerobic adhesive on page C.49
- Use field polish termination kit (FIELDKIT) on page C.48

FLCSMBLY

FLCDMBLY



FLCDM3.0EI

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
LC OM4/OM3/OM2 Multimode Fiber Optic Connectors				
FLCSMBLY	LC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
FLCSM3.0BL	LC multimode simplex fiber optic connector for 3.0mm jacketed cable installation.	Black	1	10
FLCDMBLY	LC multimode duplex fiber optic connector for 1.6mm – 2.0mm jacketed cable installation.	Black	1	10
FLCDM900BLY	LC multimode duplex fiber optic connector for 900µm buffered fiber installation.	Black	1	10
FLCDM3.0BL	LC multimode duplex fiber optic connector for 3.0mm jacketed cable installation.	Black	1	10
LC OM1 Multimode Fiber Optic Connectors				
FLCSMEIY	LC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Electric Ivory	1	10
FLCSM3.0EI	LC multimode simplex fiber optic connector for 3.0mm jacketed cable installation.	Electric Ivory	1	100
FLCDMEIY	LC multimode duplex fiber optic connector for 1.6mm – 2.0mm jacketed cable installation.	Electric Ivory	1	100
FLCDM900EIY	LC multimode duplex fiber optic connector for 900µm buffered fiber installation.	Electric Ivory	1	100
FLCDM3.0EI	LC multimode duplex fiber optic connector for 3.0mm jacketed cable installation.	Electric Ivory	1	100

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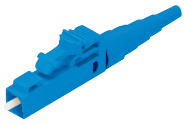
LC Fiber Optic Connectors – Field Polish Termination (continued)



FLCSSBUY

FLCDSBUY

FLCDS3.0BU

FLCCLIP-L

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
LC OS2 Singlemode Fiber Optic Connectors				
FLCSSBUY	LC singlemode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Blue	1	10
FLCSS3.0BU	LC singlemode simplex fiber optic connector for 3.0mm jacketed cable installation.	Blue	1	10
FLCDSBUY	LC singlemode duplex fiber optic connector for 1.6mm – 2.0mm jacketed cable installation.	Blue	1	10
FLCDS900BUY	LC singlemode duplex fiber optic connector for 900µm buffered fiber installation.	Blue	1	10
FLCDS3.0BU	LC singlemode duplex fiber optic connector for 3.0mm jacketed cable installation.	Blue	1	10
LC OM3/OM4 Field Polish Boots				
FLCBT900AQ-X	LC OM3/OM4 Field Polish Boot for 900µm buffered fiber.	Aqua	10	100
FLCBT2AQ-X	LC OM3/OM4 Field Polish Boot for 1.6/2.0mm jacketed cable.	Aqua	10	100
FLCBT3AQ-X	LC OM3/OM4 Field Polish Boot for 3.0mm jacketed cable.	Aqua	10	100
LC Duplex Clip				
FLCCLIP-L	LC duplex clip for duplexing two simplex Panduit LC field polish multimode or singlemode connectors.	White	50	—

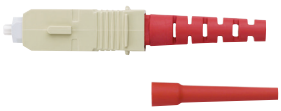
Order number of pieces required, in multiples of Standard Package Quantity.

SC Fiber Optic Connectors – Field Polish Termination

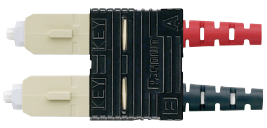
- TIA/EIA-604 FOCIS-3 compliant connectors
- Exceed TIA/EIA-568-B.3 requirements
- Connector outer housing and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Insertion loss: 0.10dB average (multimode), 0.15dB average (singlemode)
- Return loss: >20dB (multimode), >40dB (singlemode)
- Non-optical disconnect maintains data transmission under tensile loads for jacketed cable
- Free floating housing ensures complete latching even when inserted by the boot, beneficial in high density spacing applications
- Pre-assembled inner housing simplifies assembly
- Each simplex connector includes inner housing assembly, outer housing, crimp sleeve, one boot for 900µm buffered fiber, one boot for 3mm jacketed cable, and one dust cap
- Each duplex connector includes two inner housing assemblies, two outer housings, two crimp sleeves, two boots for 3mm jacketed cable, two dust caps, and one duplex clip
- SC duplex clip available separately for duplexing two simplex Panduit SC Connectors
- Fiber cable type: tight-buffered recommended
- Fiber cable size: accepts 900µm buffered fiber, 3mm jacketed cable or 1.6mm – 2.0mm jacketed cable (noted in part description)
- For 250µm coated fiber termination, use fan-out kits on pages C.43
- Ferrule type: 2.5mm zirconia ceramic (highest durability for repeated matings)
- Field polish termination – Panduit recommends anaerobic adhesive on page C.49
- Use field polish termination kit (FIELDKIT) on page C.48

FSCM5BL

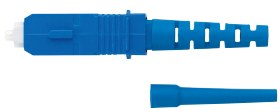
FSCMBL



FSCMRD



FSCDM



FSCSBU

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
SC OM3/OM2 Multimode Fiber Optic Connectors				
FSCM5BL	SC multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
FSCM2.05BL	SC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
FSCDM5BL	SC multimode duplex fiber optic connector for 3.0mm jacketed cable installation.	Black	1	10
SC OM1 Multimode Fiber Optic Connectors				
FSCMBL	SC multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
FSCMRD	SC multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Red	1	10
FSCM2.0BL	SC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
FSCM2.0RD	SC multimode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Red	1	10
FSCDM	SC multimode duplex fiber optic connector for 3.0mm jacketed cable installation.	Red and Black	1	10
SC OS2 Singlemode Fiber Optic Connectors				
FSCSBU	SC singlemode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Blue	1	10
FSCS2.0BU	SC singlemode simplex fiber optic connector for 1.6mm – 2.0mm jacketed cable or 900µm buffered fiber installation.	Blue	1	10
SC 900µm Field Polish Boots				
FSCBT900AQ-X	SC OM3 Field Polish Boot for 900µm buffered fiber.	Aqua	10	100
FSCBT900EI-X	SC OM1 multimode field polish boot for 900µm buffered fiber.	Electric Ivory	10	100
SC 1.6/2.0mm Field Polish Boots				
FMCBT2AQ-X	OptiCam® OS2 Singlemode 1.6/2.0mm Cable Retention Boot.	Blue	10	100

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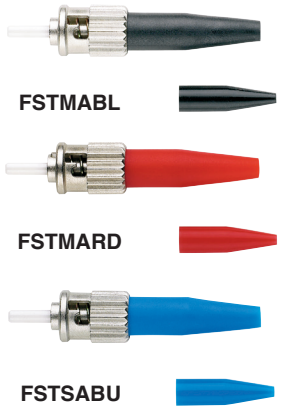
SC Fiber Optic Connectors – Field Polish Termination (continued)

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
SC 3.0mm Field Polish Boots				
FSCBT3AQ-X	SC OM3 field polish boot for 3.0mm jacketed cable.	Aqua	10	100
FSCBT3EI-X	SC OM1 multimode field polish boot for 3.0mm jacketed cable.	Electric Ivory	10	100
SC Duplex Clip				
FMCBT3EI-X	SC duplex clip for duplexing two simplex Panduit SC multimode or singlemode connectors.	Black	50	—

ST Fiber Optic Connectors – Field Polish Termination

- TIA/EIA-604 FOCIS-2 compatible connectors
- Exceed TIA/EIA-568-B.3 requirements
- Insertion loss: 0.15dB average (multimode), 0.20dB average (singlemode)
- Return loss: >20dB (multimode), >40dB (singlemode)
- Each connector includes metal connector body/ferrule assembly, spring, metal bayonet, crimp sleeve, one boot for 900µm buffered fiber, one boot for 3mm jacketed cable, and one dust cap
- Fiber cable type: tight-buffered recommended
- Fiber cable size: accepts 3.0mm jacketed cable or 900µm buffered fiber
- For 250µm coated fiber termination, use fan-out kits on page C.43
- Ferrule type: 2.5mm zirconia ceramic (highest durability for repeated matings)
- Field polish termination – Panduit recommends anaerobic adhesive on page C.49
- Use field polish termination kit (FIELDKIT) on page C.48



Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
ST Multimode Fiber Optic Connectors				
FSTMABL	ST multimode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Black	1	10
FSTMARD		Red	1	10
ST Singlemode Fiber Optic Connector				
FSTSABU	ST singlemode simplex fiber optic connector for 3.0mm jacketed cable or 900µm buffered fiber installation.	Blue	1	100

Order number of pieces required, in multiples of Standard Package Quantity.

Fan-Out Kits

- Used to build up 250µm fiber to 900µm loose buffered coating size for connector termination
- Include 900µm hollow tubing and plastic housings
- Includes adhesive tape for mounting
- Length: 1 meter (39.37")

FO12CB

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FO6CB	Build up 250µm fiber to 900µm loose buffered coating size; for six fibers.	1	10
FO12CB	Build up 250µm fiber to 900µm loose buffered coating size; for twelve fibers.	1	10

250 Micron Fiber Build-Up Tube Kit

- Includes 100 build-up tubes and supplemental instructions for terminating Panduit field polish, Opti-Crimp®, or OptiCam® Fiber Optic Connectors onto 250µm coated fiber
- Used with 900µm boots included with connectors and the current fiber optic termination kit

Part Number	Part Description	Std. Pkg. Qty.
F250BT-C	250 micron fiber build-up tube kit; includes 100 build-up tubes and supplemental installation instructions.	100

Furcation Kits

- Used to build up 900µm fiber to 3mm jacketed cable to strengthen and protect the fiber
- Includes furcation tubing with strength members and heat shrink
- Length: 1 meter (39.37")

FK2BJ

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FK2BJ	Build up 900µm fiber to 3mm jacketed fiber; for two fibers.	1	10
FK4BJ	Build up 900µm fiber to 3mm jacketed fiber; for four fibers.	1	10

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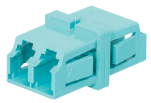
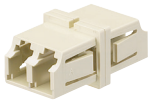
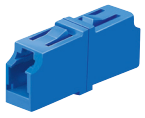
LC Sr./Sr. (Senior/Senior) Fiber Optic Adapters

- TIA/EIA-604 FOCIS-10 compatible adapters
- Exceed TIA/EIA-568-B.3 requirements
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Sr./Sr. (Senior/Senior) adapters have a FOCIS-10 senior adapter interface at each end
- Accept FOCIS-10 compatible senior LC connectors
- Choice of phosphor bronze or zirconia ceramic split sleeves to fit specific network requirements; zirconia ceramic split sleeves are recommended for OM3/OM4 multimode and OS2 singlemode applications
- LC simplex and duplex adapters are also available in Opticom® Fiber Adapter Panels on page C.52 and in QuickNet™ Fiber Optic Cassettes on pages C.54 – C.55 to provide a complete LC system solution


FADSLCZAQ-L

FADSLCBL-L


FADSLCEI-L

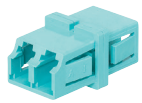

FASSLCZBU-L

Part Number	Part Description	Split Sleeve Material	Std. Pkg. Qty.	Std. Ctn. Qty.
LC Sr./Sr. Fiber Optic Adapters – OM3/OM4 50/125µm (Aqua)				
FADSLCZAQ-L	LC Sr./Sr. SFF Duplex Multimode Fiber Optic Adapter with zirconia ceramic split sleeves.	Zirconia Ceramic	50	100
FADSLCAQ-L	LC Sr./Sr. SFF Duplex Multimode Fiber Optic Adapter with phosphor bronze split sleeves.	Phosphor Bronze	50	100
LC Sr./Sr. Fiber Optic Adapters – OM2 50/125µm (Black)				
FADSLCBL-L	LC Sr./Sr. SFF duplex multimode fiber optic adapter with phosphor bronze split sleeves.	Phosphor Bronze	50	100
LC Sr./Sr. Fiber Optic Adapters – OM1 62.5µm (Electric Ivory)				
FADSLCEI-L	LC Sr./Sr. SFF duplex multimode fiber optic adapter with phosphor bronze split sleeves.	Phosphor Bronze	50	100
LC Sr./Sr. Fiber Optic Adapters – OS2 9/125µm (Blue)				
FASSLCZBU-L	LC Sr./Sr. SFF simplex singlemode fiber optic adapter with zirconia ceramic split sleeve.	Zirconia Ceramic	50	100
FADSLCZBU-L	LC Sr./Sr. SFF duplex singlemode fiber optic adapter with zirconia ceramic split sleeves.	Zirconia Ceramic	50	100

Order number of pieces required, in multiples of Standard Package Quantity.

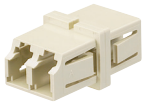
LC Sr./Jr. (Senior/Junior) Fiber Optic Adapters

- TIA/EIA-604 FOCIS-10 compatible adapters
- Exceed TIA/EIA-568-B.3 requirements
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Sr./Jr. (Senior/Junior) adapters have a FOCIS-10 senior adapter interface at one end and a FOCIS-10 junior adapter interface at the other end
- Both ends accept FOCIS-10 compatible senior LC connectors
- Junior end also accepts FOCIS-10 compatible junior (fixed ferrule/springless) LC connectors
- Accommodate tighter applications (inside wall); allowing easier access to LC connectors terminated on 900µm buffered fiber
- Choice of phosphor bronze or zirconia ceramic split sleeves to fit specific network requirements; zirconia ceramic split sleeves are recommended for OM3/OM4 multimode and OS2 singlemode applications
- LC simplex and duplex adapters are also available in Opticom® Fiber Adapter Panels on page C.58 and in QuickNet™ Fiber Optic Cassettes on pages C.61 – C.62 to provide a complete LC system solution

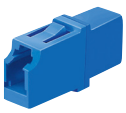


FADJLCZAQ-L

FADJLCBL-L



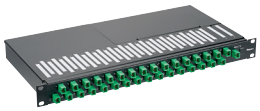
FADJLCEI-L



FASJLCZBU-L

Part Number	Part Description	Split Sleeve Material	Std. Pkg. Qty.	Std. Ctn. Qty.
LC Sr./Jr. Fiber Optic Adapters – OM3/OM4 50/125µm (Aqua)				
FADJLCZAQ-L	LC Sr./Jr. SFF Duplex Multimode Fiber Optic Adapter with zirconia ceramic split sleeves.	Zirconia Ceramic	50	100
FADJLCAQ-L	LC Sr./Jr. SFF Duplex Multimode Fiber Optic Adapter with phosphor bronze split sleeves.	Phosphor Bronze	50	100
LC Sr./Jr. Fiber Optic Adapters – OM2 50/125µm (Black)				
FADJLCBL-L	LC Sr./Jr. SFF duplex multimode fiber optic adapter with phosphor bronze split sleeves.	Phosphor Bronze	50	100
LC Sr./Jr. Fiber Optic Adapters – OM1 62.5µm (Electric Ivory)				
FADJLCEI-L	LC Sr./Jr. SFF duplex multimode fiber optic adapter with phosphor bronze split sleeves.	Phosphor Bronze	50	100
LC Sr./Jr. Fiber Optic Adapters – OS2 9/125µm (Blue)				
FASJLCZBU-L	LC Sr./Jr. SFF simplex singlemode fiber optic adapter with zirconia ceramic split sleeve.	Zirconia Ceramic	50	100
FADJLCZBU-L	LC Sr./Jr. SFF duplex singlemode fiber optic adapter with zirconia ceramic split sleeves.	Zirconia Ceramic	50	100

Passive Optical Network (PON) Splitter Tray



FCP9SP-1083GG

Part Number	Part Description	Splitter Ratio	Std. Pkg. Qty.	Std. Ctn. Qty.
FCP9SP-1083GG	PON Splitter Tray; 1 x 8 split; single splice input; 8 SC-APC outputs.	1 x 8	1	—
FCP9SP-1163GG	PON Splitter Tray; 1 x 16 splitter; single splice input; 16 SC-APC outputs.	1 x 16	1	—
FCP9SP-1323GG	PON Splitter Tray; 1 x 32 split; single splice input; 32 SC-APC outputs.	1 x 32	1	—
FCP9SP-2083GG	PON Splitter Tray; 2 x 8 split; dual splice inputs; 8 SC-APC outputs.	2 x 8	1	—
FCP9SP-2163GG	PON Splitter Tray; 2 x 16 split; dual splice inputs; 16 SC-APC outputs.	2 x 16	1	—
FCP9SP-2323GG	PON Splitter Tray; 2 x 32 split; dual splice inputs; 32 SC-APC outputs.	2 x 32	1	—
FCP9PP-1083GG	PON Splitter Tray; 1 x 8 splitter; single SC-APC input; 8 SC-APC outputs.	1 x 8	1	—
FCP9PP-1163GG	PON Splitter Tray; 1 x 16 split; single SC-APC input; 16 SC/APC outputs.	1 x 16	1	—
FCP9PP-1323GG	PON Splitter Tray; 1 x 32 split; single SC-APC input; 32 SC-APC outputs.	1 x 32	1	—
FCP9PP-2083GG	PON Splitter Tray; 2 x 8 splitter; dual SC-APC inputs; 8 SC-APC outputs.	2 x 8	1	—
FCP9PP-2163GG	PON Splitter Tray; 2 x 16 splitter; dual SC-APC inputs; 16 SC-APC outputs.	2 x 16	1	—
FCP9PP-2323GG	PON Splitter Tray; 2 x 32 splitter; dual SC-APC inputs; 32 SC-APC outputs.	2 x 32	1	—

OptiCam® Pre-Polished Cam Fiber Optic Termination Kits

- For termination of all Panduit® OptiCam® Pre-Polished Connectors
- OptiCam® Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing visual indication of proper termination after the cam step has been completed
- No adhesive or electricity required for termination
- Include installation instructions and stripping templates for all Panduit® OptiCam® Pre-Polished Connectors; also available refer to www.panduit.com

FCAMKIT

FPPKIT-CVY

Part Number	Part Description	Std. Pkg. Qty.
OptiCam® Pre-Polished Cam Termination Kit		
FCAMKIT	Tools, consumables, installation instructions and stripping templates necessary for termination of all Panduit® OptiCam® Pre-Polished Cam Connectors.	1
OptiCam® Conversion Kit – Converts Opti-Crimp® Termination Kit for OptiCam® Terminations		
FPPKIT-CVY	Converts Opti-Crimp® Termination Kits with the additional tools, installation instructions, and stripping templates required for termination of all Panduit® OptiCam® Pre-Polished Cam Connectors; includes OptiCam® Termination Tool and cradles, and FVFLPC-2.5SMY and FVFLPC-1.25SMY patch cords.	1
Cleaning Consumables Kit		
FCLEANKIT	Replenishes the cleaning consumables required for termination of all fiber optic connectors; includes all of the same cleaning consumable items that are included in all Panduit termination kits.	1
Field Polish Kit Upgrade for OptiCam® Connector Termination		
FIELDKITUPG	Upgrades FIELDKIT with the additional tools, consumables, installation instructions and stripping templates required for termination of all Panduit® OptiCam® Pre-Polished Cam Connectors.	1

For field polish termination kits, see page C.48 – C.49.

Order number of pieces required, in multiples of Standard Package Quantity.

Components for OptiCam® Pre-Polished Cam Termination Kits

OCTT

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Tools (included in FCAMKIT)			
FKITCASE	Case for fiber termination kits.	1	—
CST115	Fiber cable jacket stripper.	1	—
FALC	Alcohol bottle (empty).	1	10
FBFSP	Fiber buffer stripper.	1	10
FSCDVR	Screwdriver.	1	50
FGLS	Safety glasses.	1	10
FTWZR	Tweezers.	1	10
FWBTL	Water bottle (empty).	1	10
FKS	Fiber Kevlar shears.	1	10
FWRKMAT	Fiber safe workmat.	1	10
Tools (included in FCAMKIT and FIELDKITUPG)			
FJQCVR	Fiber cleaver tool.	1	10
OCTT	OptiCam® Termination Tool; includes batteries, pouch, and two cradles for each OptiCam® Connector – LC, SC, and ST (patch cords available separately).	1	—
FVFLPC-2.5SMY	Patch cord for all OptiCam® 2.5mm ferrule connectors (SC and ST).	1	10
FVFLPC-1.25SMY	Patch cord for all OptiCam® 1.25mm ferrule connectors (LC).	1	10
Cleaning Consumables (included in FCAMKIT and FCLEANKIT)			
FWP-C	Lint-free wipes.	100	1000
FSWB-C	Cleaning swabs.	100	1000
FSTY	Safety stickers for fiber scraps.	1	10
PFX-0	Permanent marking pen, fine tip, black ink (one included in each kit).	12	144
Replacement Parts			
FJQCVRB	Replacement blade for FJQCVR.	1	10
FSCC	Tool cradles for SC OptiCam® Connectors (two per package).	1	—
FLCC	Tool cradles for LC OptiCam® Connectors (two per package).	1	—
FSTC	Tool cradles for ST OptiCam® Connectors (two per package).	1	—

NOTE: Complies with the FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 and IEC 60825-1 Ed.2 (2007).

Field Polish Fiber Optic Termination Kits

- For termination of all Panduit field polish connectors
- Fast acting adhesive; no long curing epoxy required for termination
- Kit provides consumables for terminating up to 200 field polish connectors
- Include installation instructions and stripping templates for all Panduit field polish connectors; also available refer to www.panduit.com

FIELDKIT

Part Number	Part Description	Std. Pkg. Qty.
Field Polish Termination Kits		
FIELDKIT	Tools, consumables, installation instructions and stripping templates necessary for termination of all Panduit field polish connectors; includes FHSCT heat shrink curing tool – 110VAC, 60Hz.	1
FIELDKIT-G	Tools, consumables, installation instructions and stripping templates necessary for termination of all Panduit field polish connectors; includes FHSCT-W heat shrink curing tool – 230VAC, 50Hz.	1
Field Polish Consumables Refurbishment Kit		
FIELDKITRFB	Replenishes the field polish consumables required for termination of all field polish connectors; includes all of the same consumable items as the FIELDKIT or FIELDKIT-G field polish termination kit.	1
Cleaning Consumables Kit		
FCLEANKIT	Replenishes the cleaning consumables required for termination of all fiber optic connectors; includes all of the same cleaning consumable items that are included in all Panduit termination kits.	1
OptiCam® Kit Upgrade for Field Polish Connector Termination		
FCAMKITUPG	Upgrades FCAMKIT with the additional tools, consumables, installation instructions and stripping templates required for termination of all Panduit field polish connectors; includes FHSCT heat shrink curing tool – 110VAC, 60Hz.	1
FCAMKITUPG-G	Upgrades FCAMKIT with the additional tools, consumables, installation instructions and stripping templates required for termination of all Panduit field polish connectors; includes FHSCT-W heat shrink curing tool – 230VAC, 50Hz.	1

For OptiCam® Pre-Polished Cam Termination Kits, see page C.46 – C.47.

Order number of pieces required, in multiples of Standard Package Quantity.

Components for Field Polish Fiber Optic Termination Kits

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Tools (included in FCAMKIT)			
FKITCASE	Case for fiber termination kits.	1	—
CST115	Fiber cable jacket stripper.	1	—
FALC	Alcohol bottle (empty).	1	10
FBFSP	Fiber buffer stripper.	1	10
FSCDVR	Screwdriver.	1	50
FGLS	Safety glasses.	1	10
FTWZR	Tweezers.	1	10
FWBTL	Water bottle (empty).	1	10
FKS	Fiber Kevlar shears.	1	10
FWRKMAT	Fiber safe workmat.	1	10
Tools (included in FCAMKIT and FIELDKITUPG)			
FSCRIBE	Carbide scribe.	1	10
FLCASCP	1.25mm adapter for FSCOPE.	1	—
FLOUPEX10	Eye loupe (10x).	1	—
FCRP5	Crimp tool (hex sizes: 0.048", 0.100", 0.128", 0.151", 0.190").	1	—
FLPT	Crimp tool required for 1.6mm/2.0mm jacketed cable termination.	1	—
FJPKGU	Universal polishing puck (2.5mm ferrule).	1	10
FLCPK	LC polishing puck (1.25mm ferrule).	1	—
FPAD	Fiber polishing pad (70 durometer).	1	10
FLCPAD	Polishing pad and plate (85 durometer).	1	10
FHSCT	Heat shrink curing tool (110VAC, 60Hz) required for 1.6mm/2.0mm jacketed cable termination (included in FIELDKIT and FCAMKITUPG).	1	—
FHSCT-W	Heat shrink curing tool (230VAC, 50Hz) required for 1.6mm/2.0mm jacketed cable termination (included in FIELDKIT-G and FCAMKITUPG-G).	1	—
Cleaning Consumables (included in FCAMKIT and FCLEANKIT)			
FSYR-X	Syringes with needle tips.	10	50
FPWIRE	Piano wire.	1	10
LJSL4-Y3-2.5	Cable labels.	1	10
FJPMR	Primer (50ml).	1	10
FJPXY	Anaerobic adhesive (10ml).	1	10
FPP5-L	5µm polishing paper (AL_2O_3).	50	250
FPF1-V	1µm diamond polishing film.	5	50
FLCFPLF-X	0.05µm lapping film.	10	—
FWP-C	Lint-free wipes.	100	1000
FSWB-C	Cleaning swabs.	100	1000
FSTY	Safety stickers for fiber scraps.	1	10
PFX-0	Permanent marking pen – fine tip (one included in each kit).	12	144
Replacement Part			
FSCRBLD	Replacement blade for carbide scribe.	1	10

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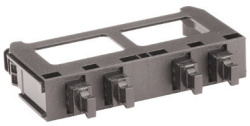
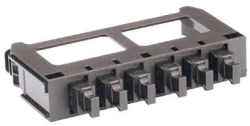
QuickNet™ Fiber Optic Migration Adapter Panels (FAPs)

- Factory assembled, and 100% tested
- Compatible with QuickNet™ Patch Panels
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Significantly reduce installation time and labor by eliminating field connector terminations
- Lifetime traceability of test data to a Q.C. number on each fiber adapter panel



FQMAP45BL



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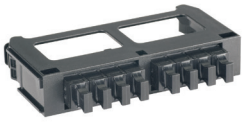


FQMAP85BL

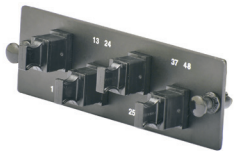
Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
QuickNet™ Fiber Optic Migration Adapter Panels (FAPs)				
FQMAP45BL	QuickNet™ Fiber Optic Migration Adapter Panel – 4 MPO key-up/key-down adapters.	Black	1	10
FQMAP65BL	QuickNet™ Fiber Optic Migration Adapter Panel – 6 MPO key-up/key-down adapters.	Black	1	10
FQMAP85BL	QuickNet™ Fiber Optic Migration Adapter Panel – 8 MPO key-up/key-down adapters.	Black	1	10

QuickNet™ Fiber Optic Migration Adapter Panels are also available in Charcoal Gray (CG).
Ex: FQMAP45BL to FQMAP46CG.

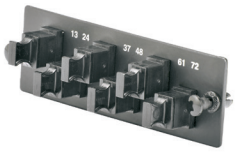
Order number of pieces required, in multiples of Standard Package Quantity.

Opticom® MPO Fiber Optic Adapter Panels (FAPs)

- Loaded with TIA/EIA-604 FOCIS-5 compliant adapters
- Exceed TIA/EIA-568-C.3 requirements
- Screen printed for horizontal or vertical orientation
- Designed for multimode or singlemode MPO connectors, patch cords, or cable assemblies
- Snap quickly into the front of all Opticom® and Opticom® QuickNet™ Components
- Can be used with Opticom® Zero RU Cable Management Solutions and QuickNet™ Hydra Cable Assemblies to facilitate connection to the active equipment



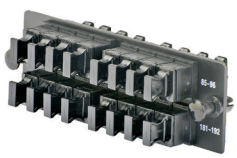
FAPH0412BLMPO



FAPH0612BLMPO

FAPH0812BLMPO

FAPH1212BLMPO



FAPH1612BLMPO

FAPV0612BLMPO

FAPV0812BLMPO

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Opticom® MPO Fiber Optic Adapter Panels (FAPs)				
FAPH0412BLMPO	Opticom® MPO FAP loaded with four (4) key-up/key-up MPO fiber optic adapters; oriented horizontally for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPH0612BLMPO	Opticom® MPO FAP loaded with six (6) key-up/key-up MPO fiber optic adapters; oriented horizontally for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPH0812BLMPO	Opticom® MPO FAP loaded with eight (8) key-up/key-up MPO fiber optic adapters; oriented horizontally for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPH1212BLMPO	Opticom® MPO FAP loaded with twelve (12) key-up/key-up MPO fiber optic adapters; oriented horizontally for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPH1612BLMPO	Opticom® MPO FAP loaded with sixteen (16) key-up/key-up MPO fiber optic adapters; oriented horizontally for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPH1812BLMPO	Opticom® MPO FAP loaded with eighteen (18) key-up/key-up MPO fiber optic adapters; oriented horizontally for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPV0412BLMPO	Opticom® MPO FAP loaded with four (4) key-up/key-up MPO fiber optic adapters; oriented vertically for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPV0612BLMPO	Opticom® MPO FAP loaded with six (6) key-up/key-up MPO fiber optic adapters; oriented vertically for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10
FAPV0812BLMPO	Opticom® MPO FAP loaded with eight (8) key-up/key-up MPO fiber optic adapters; oriented vertically for Opticom® or Opticom® QuickNet™ Patch Panels and Fiber Enclosures.	Black	1	10

MPO Fiber Optic Adapter Panels are also available in Charcoal Gray (CG).
Ex: FAPH0412BLMPO to FAPH0412CGMPO.

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J. Cabinets, Racks & Cable Management Systems
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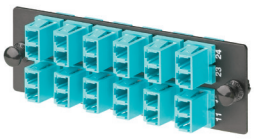
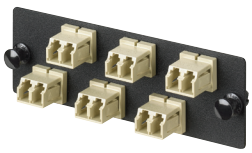
LC Opticom® Fiber Adapter Panels (FAPs)

- Loaded with TIA/EIA-604 FOCIS-10 compatible adapters
- Exceed TIA/EIA-568-B.3 requirements
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Snap quickly into the front of all Opticom® components
- Choice of phosphor bronze or zirconia ceramic split sleeves to fit specific network requirements; zirconia ceramic split sleeves are recommended for OM3/OM4 multimode and OS2 singlemode applications
- Every adapter is laser marked with Q.C. number to assure 100% traceability
- LC adapters are also available in QuickNet™ Fiber Optic Cassettes on pages C.54 – C.55



FAP12WAQDLCZ

FAP8WBLDLC



FAP6WEIDLC

FAP12WBULCZ

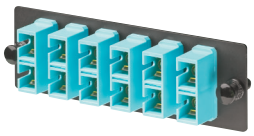
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
LC Fiber Adapter Panels – OM3/OM4 50/125µm (Aqua Adapters)			
FAP6WAQDLCZ	LC FAP loaded with six LC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP6WAQDLC	LC FAP loaded with six LC Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
FAP8WAQDLCZ	LC FAP loaded with eight LC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP8WAQDLC	LC FAP loaded with eight LC Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
FAP12WAQDLCZ	LC FAP loaded with twelve LC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP12WAQDLC	LC FAP loaded with twelve LC Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
LC Fiber Adapter Panels – OM2 50/125µm (Black Adapters)			
FAP6WBLDLC	LC FAP loaded with six LC duplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
FAP8WBLDLC	LC FAP loaded with eight LC duplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
FAP12WBLDLC	LC FAP loaded with twelve LC duplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
LC Fiber Adapter Panels – OM1 62.5/125µm (Electric Ivory Adapters)			
FAP6WEIDLC	LC FAP loaded with six LC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10
FAP8WEIDLC	LC FAP loaded with eight LC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10
FAP12WEIDLC	LC FAP loaded with twelve LC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10
LC Fiber Adapter Panels – OS2 9/125µm (Blue Adapters)			
FAP12WBULCZ	LC FAP loaded with twelve LC simplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP6WBUDLCZ	LC FAP loaded with six LC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP8WBUDLCZ	LC FAP loaded with eight LC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP12WBUDLCZ	LC FAP loaded with twelve LC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10

MPO Fiber Optic Adapter Panels are also available in Charcoal Gray (CG).
Ex: FAPH0412BLMPO to FAPH0412CGMPO.

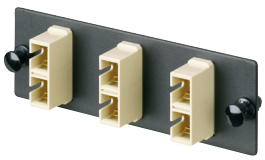
Order number of pieces required, in multiples of Standard Package Quantity.

SC Opticom® Fiber Adapter Panels (FAPs)

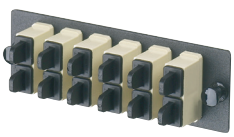
- Loaded with TIA/EIA-604 FOCIS-3 compliant adapters
- Exceed TIA/EIA-568-C.3 requirements
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Snap quickly into the front of all Opticom® components
- Choice of phosphor bronze or zirconia ceramic split sleeves to fit specific network requirements; zirconia ceramic split sleeves are recommended for OM3/OM4 multimode and OS2 singlemode applications
- QC number and split sleeve material laser marked on every adapter assures 100% traceability and quick and easy identification of split sleeve material
- SC adapters are also available in QuickNet™ Fiber Optic Cassettes provide a complete SC system solution



FAP6WAQDSCZ



FAP3WBLDSC



FAP12WEISC

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
SC Fiber Adapter Panels – OM3/OM4 50/125µm (Aqua Adapters)			
FAP6WAQSCZ	SC FAP loaded with six SC Simplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP6WAQSC	SC FAP loaded with six SC Simplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
FAP3WAQDSCZ	SC FAP loaded with three SC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP4WAQDSCZ	SC FAP loaded with four SC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP6WAQDSCZ	SC FAP loaded with six SC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.	1	10
FAP3WAQDSC	SC FAP loaded with three SC Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
FAP4WAQDSC	SC FAP loaded with four SC Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
FAP6WAQDSC	SC FAP loaded with six SC Duplex Multimode Fiber Optic Adapters (Aqua) with phosphor bronze split sleeves.	1	10
SC Fiber Adapter Panels – OM2 50/125µm (Black Adapters)			
FAP6WBLSC	SC FAP loaded with six SC simplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
FAP12WBLSC	SC FAP loaded with twelve SC simplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
FAP3WBLDSC	SC FAP loaded with three SC duplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
FAP6WBLDSC	SC FAP loaded with six SC duplex multimode fiber optic adapters (Black) with phosphor bronze split sleeves.	1	10
SC Fiber Adapter Panels – OM1 62.5/125µm (Electric Ivory Adapters)			
FAP6WEISC	SC FAP loaded with six SC simplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10
FAP12WEISC	SC FAP loaded with twelve SC simplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10
FAP3WEIDSC	SC FAP loaded with three SC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10
FAP6WEIDSC	SC FAP loaded with six SC duplex multimode fiber optic adapters (Electric Ivory) with phosphor bronze split sleeves.	1	10

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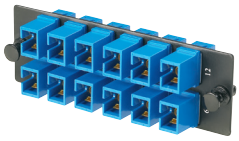
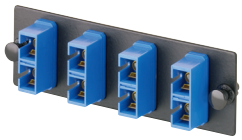
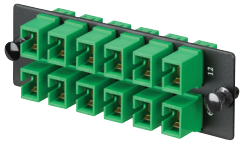
SC Opticom® Fiber Adapter Panels (FAPs) (continued)



FAP12WBUSCZ



FAP4WBUDSCZ



FAP12WAGSCZ

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
SC Fiber Adapter Panels – OS2 9/125µm (Blue Adapters)			
FAP6WBUSCZ	SC FAP loaded with six SC simplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP12WBUSCZ	SC FAP loaded with twelve SC simplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP2WBUDSCZ	SC FAP loaded with two SC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP3WBUDSCZ	SC FAP loaded with three SC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP4WBUDSCZ	SC FAP loaded with four SC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
FAP6WBUDSCZ	SC FAP loaded with six SC duplex singlemode fiber optic adapters (Blue) with zirconia ceramic split sleeves.	1	10
SC Fiber Adapter Panels – APC OS2 9/125µm (Green Adapters)			
FAP6WAGSCZ	SC APC FAP loaded with six SC APC simplex singlemode fiber optic adapters (Green) with zirconia ceramic split sleeves.	1	10
FAP12WAGSCZ	SC APC FAP loaded with twelve SC APC simplex singlemode fiber optic adapters (Green) with zirconia ceramic split sleeves.	1	10
FAP3WAGDSCZ	SC APC FAP loaded with three SC APC duplex singlemode fiber optic adapters (Green) with zirconia ceramic split sleeves.	1	10
FAP4WAGDSCZ	SC APC FAP loaded with four SC APC duplex singlemode fiber optic adapters (Green) with zirconia ceramic split sleeves.	1	10
FAP6WAGDSCZ	SC APC FAP loaded with six SC APC duplex singlemode fiber optic adapters (Green) with zirconia ceramic split sleeves.	1	10

QuickNet™ SFQ Series MTP* Fiber Optic Cassettes

- Compatible with QuickNet™ Patch Panels for up to 96 fiber connections in 1RU with QAPP48HDBL QuickNet™ 48-port Angled Patch Panel
- Low insertion loss of 0.5dB max. per optimized cassette and 1.0dB max. per standard cassette
- Significantly reduce installation time and labor by eliminating field connector terminations
- Connect together with high-density female MTP* cable assemblies/trunks to quickly deploy DC network segments
- Factory terminated, assembled and 100% tested
- Insertion loss data provided on every fiber cassette
- Return loss data provided on all singlemode fiber cassettes
- Lifetime traceability of test data to a QC number on each fiber cassette

FQXU-12-10

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
50/125µm (OM4) Multimode SFQ Series MTP* Cassettes			
FQZO-12-10AS	Optimized OM4 50/125µm six LC duplex adapters to one male MTP*; 12-fiber optimized pre-terminated MTP* rear mount cassette provides low insertion loss per fiber. Method A.	1	10
FQZO-12-10AF	Optimized OM4 50/125µm six LC duplex adapters to one male MTP*; 12-fiber optimized pre-terminated MTP* rear mount cassette provides low insertion loss per fiber. Method A, pair flipped.	1	10
FQZO-06-03AS	Optimized OM4 50/125µm three SC duplex adapters to one male MTP*; 12-fiber optimized pre-terminated MTP* rear mount cassette provides low insertion loss per fiber. Method A.	1	10

*MTP is a registered trademark of US Conec Ltd.

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Order number of pieces required, in multiples of Standard Package Quantity.

QuickNet™ SFQ Series MTP* Fiber Optic Cassettes (continued)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FZQO-12-10B1	OM4 Optimized 50/125um six LC duplex adapters to one male MTP; 12-fiber optimized pre-terminated MTP rear mount cassette provides low insertion loss per fiber. Method B (B1, 1 to 1 array).	1	10
FZQO-12-10B2	OM4 Optimized 50/125um six LC duplex adapters to one male MTP; 12-fiber optimized pre-terminated MTP rear mount cassette provides low insertion loss per fiber. Method B (B2, 1 to 2 array).	1	10
50/125µm (OM3) Multimode SFQ Series MTP* Cassettes			
FQXO-12-10AS	Optimized OM3 50/125µm six LC duplex adapters to one male MTP*; 12-fiber optimized pre-terminated MTP* rear mount cassette provides low insertion loss per fiber. Method A.	1	10
FQXO-12-10AF	Optimized OM3 50/125µm six LC duplex adapters to one male MTP*; 12-fiber optimized pre-terminated MTP* rear mount cassette provides low insertion loss per fiber. Method A, pair flipped.	1	10
FXQO-12-10B1	OM3 Optimized 50/125um six LC duplex adapters to one male MTP; 12-fiber optimized pre-terminated MTP rear mount cassette provides low insertion loss per fiber. Method B (B1, 1 to 1 array).	1	10
FXQO-12-10B2	OM3 Optimized 50/125um six LC duplex adapters to one male MTP; 12-fiber optimized pre-terminated MTP rear mount cassette provides low insertion loss per fiber. Method B (B2, 1 to 2 array).	1	10
50/125µm (OM3) Multimode SFQ Series MTP* Cassettes			
FQX-12-10	OM3 50/125µm six LC duplex adapters to one male MTP*; 12-fiber pre-terminated MTP* rear mount SFQ cassette provides low insertion loss of 0.75dB max. per fiber.	1	10
FQX-12-10B	OM3 50/125µm six LC duplex adapters to one male MTP*; 12-fiber pre-terminated MTP* rear mount SFQ cassette provides low insertion loss of 0.75dB max. per fiber. Method A, pair flipped.	1	10
9/125µm (OS2) Singlemode SFQ Series MTP* Cassettes			
FQ9N-12-10AS	OS2 singlemode six LC duplex adapters to one male MTP*; 12-fiber pre-terminated MTP* rear mount cassette provides low insertion loss of 0.75dB max. per fiber. Method A polarity.	1	10
FQ9N-12-10AF	OS2 singlemode six LC duplex adapters to one male MTP*; 12-fiber pre-terminated MTP* rear mount cassette provides low insertion loss of 0.75dB max. per fiber. Pair flipped polarity.	1	10
FQ9N-06-03AS	OS2 singlemode three SC duplex adapters to one male MTP*; 6-fiber pre-terminated MTP* rear mount cassette provides low insertion loss of 0.75dB max. per fiber. Method A polarity.	1	10
FQ9N-06-03AF	OS2 singlemode three SC duplex adapters to one male MTP*; 6-fiber pre-terminated MTP* rear mount cassette provides low insertion loss of 0.75dB max. per fiber. Pair flipped polarity.	1	10

FQ9N-12-10AS

FQ9N-06-03AS

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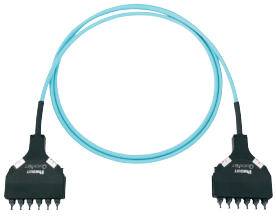
QuickNet™ High Density SFQ Small Form Factor Cable Assemblies

- Unique industry-leading proprietary MTP* polishing process
- Identical copper and fiber cassette form factor offers design flexibility, easy maintenance and upgrade enabling a unified, highly scalable pre-terminated solution
- High-density design maximizes density with up to 72-fibers in one cassette, 576 in 1RU; combination of design features provide a lower total cost of ownership
- MTP* 12-fiber connector provides reduced overall insertion loss with low channel to channel variability
- 100% tested with test data provided for each product
- Factory verified optical performance provides channel to channel consistency and reliability for improved network integrity
- Pre-terminated modular cassette system provides quick deployment that reduces installation time and cost.
- Product is compatible with QuickNet™ Patch Panels and uses the same cassette form factor as Copper QuickNet™ Patch Panels (or cable assemblies)
- Product identification with data labels and QC numbers which are supplied with each product for quick port identification and 100% traceability

FXWSPVNVNANF050



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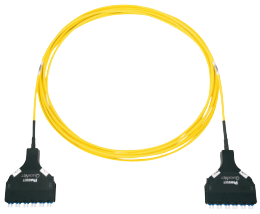

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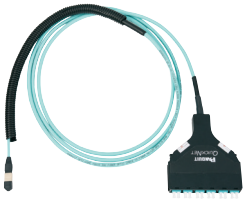


FXTSP6NXNSNF050

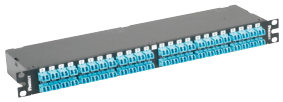
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
High Density SFQ Small Form Factor Cable Assemblies			
FXWSPVNVNANF050	48-fiber OM3 plenum rated high density Female MTP SFQ Cassette to Female MTP SFQ Cassette cable assembly – 50 ft.	1	1
FXWSPYNYNANF050	48-fiber OM3 plenum rated high density Male MTP SFQ Cassette to Male MTP SFQ Cassette cable assembly – 50 ft.	1	1
FXXSPYNYNANF050	72-fiber OM3 plenum rated high density Male MTP SFQ Cassette to Male MTP SFQ Cassette cable assembly – 50 ft.	1	1
SFQ Small Form Factor Cable Assemblies (LC Cassette to LC Cassette)			
FXTSPXNXNSNF050	12-fiber OM3 indoor trunk cable assembly, plenum (OFNP) rated, LC cassette to LC cassette, Std Polarity with no pulling eye. – 50 ft.	1	1
FZTSPXNXNSNF050	12-fiber OM4 indoor trunk cable assembly, plenum (OFNP) rated, LC cassette to LC cassette, Std Polarity with no pulling eye. – 50 ft.	1	1
F9TSPXNXNSNF050	12-fiber OS2 indoor trunk cable assembly, plenum (OFNP) rated, LC cassette to LC cassette, Std Polarity with no pulling eye. – 50 ft.	1	1
SFQ Small Form Factor Cable Assemblies (LC Cassette to Single MTP)			
FXTSP6NXNSNF050	12-fiber OM3 indoor trunk cable assembly, plenum (OFNP) rated, LC cassette to single MTP, Std Polarity with no pulling eye. – 50 ft.	1	1
FZTSP6NXNSNF050	12-fiber OM4 indoor trunk cable assembly, plenum (OFNP) rated, LC cassette to single Male MTP, Std Polarity with no pulling eye. – 50 ft.	1	1
F9TSP6NXNSNF050	12-fiber OS2 indoor trunk cable assembly, plenum (OFNP) rated, LC cassette to single Male MTP, Std Polarity with no pulling eye. – 50 ft.	1	1

QuickNet™ LC/SC SFQ Small Form Factor Cable Assemblies are also available in 72 and 96-fiber solutions. Refer to Product Bulletin number WW-FBCB35 for complete part number ordering information.
*MTP is a registered trademark of US Conec Ltd.

Order number of pieces required, in multiples of Standard Package Quantity.

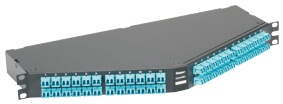
Quicknet™ HDQ Series High Density Fiber Optic Cassettes

- Mounts to standard 19" rack rails
- Low insertion loss of 0.5dB max, per optimized cassette and 0.75dB max. per standard cassette
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Connect together with high-density female MTP* cable assemblies/trunks to quickly deploy DC network segments
- Significantly reduce installation time and labor by eliminating field connector termination
- Factory terminated, assembled, and 100% tested
- Insertion loss data provided on every fiber cassette
- Lifetime traceability of test data to a QC number
- Available in standard and pair-flipped versions



F1RBZN

F1RCZN



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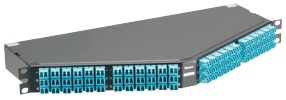

F1RSZN

F1AS9UN

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
QuickNet™ HDQ Series High Density Fiber Optic Cassette – Brocade Port Labeling			
F1RBZN-9608-10^	QuickNet™ HDQ Series High Density Fiber Optic Cassette; 1RU 96-fiber B-type labeling; OM4 8-fiber MTP to LC pre-terminated.	1	—
Quicknet™ HDQ Series High Density Fiber Optic Cassette – Cisco Labeling			
F1RCZN-9612-10^	QuickNet™ HDQ Series High Density Fiber Optic Cassette; 1RU 96-fiber C-type labeling; OM4 12-fiber MTP to LC pre-terminated.	1	—
Quicknet™ HDQ Series High Density Fiber Optic Cassette – Angled			
F1ASZN-9612-10^	QuickNet™ HDQ Series High Density Fiber Optic Cassette; 1RU Angled 96-fiber S-type labeling; OM4 12-fiber MTP to LC pre-terminated.	1	—
Quicknet™ HDQ Series High Density Fiber Optic Cassette – Standard Labeling			
F1RSZN-9612-10^	QuickNet™ HDQ Series High Density Fiber Optic Cassette; 1RU 96-fiber C-type labeling; OM4 12-fiber MTP to LC pre-terminated.	1	—
F1RSZO-9612-10^	QuickNet™ optimized HDQ Series high density fiber optic cassette; 1RU 96-fiber S-type labeling; OM4 12-fiber MTP to LC pre-terminated.	1	—
F1RSXN-9612-10^	QuickNet™ HDQ Series high density fiber optic cassette; 1RU 96-fiber S-type labeling; OM3 12-fiber MTP to LC pre-terminated.	1	—
F1RSXO-9612-10^	QuickNet™ optimized HDQ Series high density fiber optic cassette; 1RU 96-fiber S-type labeling; OM3 12-fiber MTP to LC pre-terminated.	1	—
Quicknet™ HDQ Series High Density Fiber Optic Cassette Singlemode – Standard Labeling			
F1AS9N-1A12-10F	QuickNet™ HDQ Series high density fiber optic cassette, 144-fiber S-type labeling, singlemode, 12-fiber MPO to LC pre-terminated.	1	—
F1AS9N-1A12-10S	QuickNet™ HDQ Series high density fiber optic cassette, 144-fiber S-type labeling, singlemode, 12-fiber MPO to LC pre-terminated.	1	—

For OM3 cassettes, replace "Z" with "X"; for OM4 cassettes, replace "X" with "Z".
For optimized cassettes, replace "N" with "O".
^ Use "S" for Standard Polarity and "F" for Flipped Polarity.
B-Type: BROCADE, C-Type: Cisco, S-Type: Standard

Quicknet™ HDQ Series High Density Fiber Optic Accessories

FQCRCM

FPFPC1

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
QuickNet™ Rear Cable Manager			
FQCRCM	QuickNet™ Cassette Rear Cable Manager manages up to one meter of slack for each of 16 MTP* Interconnect Cables in support of QuickNet™ SFQ Cassettes, QuickNet™ HDQ Cassettes, or QuickNet™ MTP Cassettes. *Intended for Panduit® 2-Post Racks ONLY. Not intended for 4-post racks, server cabinets or network cabinets.*	1	10
QuickNet™ Fiber Patch Field Protection Cover			
FPFPC1	1RU Fiber Patch Field Protection Cover protects front patch field, minimizing potential for connector damage and fiber attenuation. Includes a labeling card for identification of ports and D-rings to provide physical support to fiber and control bend radius. *Not compatible with Opticom® Angled and QuickNet™ Angled Patch Panels*	1	—

QuickNet™ MTP* Fiber Optic Cassettes

- Compatible with Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures on page C.61, Opticom® Zero RU Cable Management Solutions
- Low insertion loss of 0.5dB max. per optimized cassette and 1.0dB max. per standard cassette
- Return loss: >26dB (multimode), >20dB (multimode), >55dB (singlemode)
- Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Connect together with high-density female MTP* cable assemblies/trunks to quickly DC network segments
- Significantly reduce installation time and labor by eliminating field connector terminations
- Factory terminated, assembled, and 100% tested
- Insertion loss data provided on every fiber cassette
- Return loss data provided on all singlemode fiber cassettes
- Lifetime traceability of test data to a QC number on each fiber cassette

FC2XO-24-10AS

FC2ZO-12-03AS

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Optimized 50/125µm (OM4) Multimode MTP* Cassettes			
FC2ZO-24-10AS	Optimized OM4 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2ZO-24-10AF	Optimized OM4 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Pair flipped polarity.	1	10
FC2ZO-24-10B1	Optimized OM4 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B1, 1 to 1 array).	1	10
FC2ZO-24-10B2	Optimized OM4 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B2, 1 to 2 array).	1	10
FC2ZO-12-10AS	Optimized OM4 QuickNet™ six LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2ZO-12-03AS	Optimized OM4 QuickNet™ six SC duplex adapters to one male MTP* connector, Method A polarity.	1	10
Optimized 50/125µm (OM3) Multimode MTP* Cassettes			
FC2XO-24-10AS	Optimized OM3 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2XO-24-10AF	Optimized OM3 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Pair flipped polarity.	1	10
FC2XO-24-10B1	Optimized OM3 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B1, 1 to 1 array).	1	10

*MTP is a registered trademark of US Conec Ltd.

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Order number of pieces required, in multiples of Standard Package Quantity.

QuickNet™ MTP* Fiber Optic Cassettes (continued)

FC2XO-12-03AS

FC2ZN-24-10AF

FC25N-12-10AS

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FC2XO-24-10B2	Optimized OM3 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B2, 1 to 2 array).	1	10
FC2XO-12-10AS	Optimized OM3 QuickNet™ six LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2XO-12-03AS	Optimized OM3 QuickNet™ six SC duplex adapters to one male MTP* connector, Method A polarity.	1	10
50/125µm (OM4) Multimode MTP* Cassettes			
FC2ZN-24-10AS	OM4 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2ZN-24-10AF	OM4 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Pair Flipped polarity.	1	10
FC2ZN-24-10B1	OM4 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B1, 1 to 1 array).	1	10
FC2ZN-24-10B2	OM4 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B2, 1 to 2 array).	1	10
FC2ZN-12-10AS	OM4 QuickNet™ six LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2ZN-12-03AS	OM4 QuickNet™ six SC duplex adapters to one male MTP* connector, Method A polarity.	1	10
50/125µm (OM3) Multimode MTP* Cassettes			
FC2XN-24-10AS	OM3 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2XN-24-10AF	OM3 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Pair flipped polarity.	1	10
FC2XN-24-10B1	OM3 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B1, 1 to 1 array).	1	10
FC2XN-24-10B2	OM3 QuickNet™ twelve LC duplex adapters to two male MTP* connector, Method B polarity (B2, 1 to 2 array).	1	10
FC2XN-12-10AS	OM3 QuickNet™ six LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC2XN-12-03AS	OM3 QuickNet™ six SC duplex adapters to one male MTP* connector, Method A polarity.	1	10
50/125µm (OM2) Multimode MTP* Cassettes			
FC25N-24-10AS	OM2 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC25N-12-10AS	OM2 QuickNet™ six LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC25N-12-03AS	OM2 QuickNet™ six SC duplex adapters to one male MTP* connector, Method A polarity.	1	10
62.5/125µm (OM1) Multimode MTP* Cassettes			
FC26N-24-10AS	OM1 QuickNet™ twelve LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC26N-12-10AS	OM1 QuickNet™ six LC duplex adapters to one male MTP* connector, Method A polarity.	1	10
FC26N-12-03AS	OM1 QuickNet™ six SC duplex adapters to one male MTP* connector, Method A polarity.	1	10

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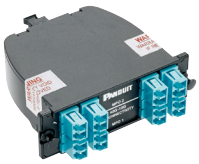
QuickNet™ MTP* Fiber Optic Cassettes (continued)

FC29N-24-10AF



FC3ZO-16-10NMBN

FCT-7ZB

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
9/125µm (OS2) Singlemode MTP® Cassettes			
FC29N-24-10AS	OS2 QuickNet™ twelve LC duplex adapters to one male MTP* connectors, Method A polarity.	1	10
FC29N-24-10AF	OS2 QuickNet™ twelve LC duplex adapters to one male MTP* connectors, Pair Flipped polarity.	1	10
FC29N-12-10AS	OS2 QuickNet™ six LC duplex adapters to one male MTP* connectors, Method A polarity.	1	10
FC29N-12-10AF	OS2 QuickNet™ six LC duplex adapters to one male MTP* connectors, Pair flipped polarity.	1	10
FC29N-12-03AS	OS2 QuickNet™ six SC duplex adapters to one male MTP* connectors, Method A polarity.	1	10
QuickNet™ 4-to-1 Conversion Migration Cassettes – 2 MPO to 8 LC Duplex Convert MTP-based 8-fiber parallel optics signals (i.e. 40GBASE-SR4, 100GBASE-SR4) to (4) Duplex LCs			
FC3ZO-16-10NMBN	16-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method B polarity.	1	10
FC3ZN-16-10NMBN	16-fiber, OM4 Fiber, Method B polarity.	1	10
FC3XO-16-10NMBN	16-fiber, OM3 Fiber/Optimized Loss (0.5 dB max. IL), Method B polarity.	1	10
FC3XN-16-10NMBN	16-fiber, OM3 Fiber, Method B polarity.	1	10
50/125µm (OM4) QuickNet™ Dark Fiber Conversion Cassettes Convert (3) 8-Fiber MTPs to (2) 12-fiber MTPs, allowing the full utilization of existing 12-fiber cabling when upgrading to protocols based on 8-fiber MTPs ((i.e. 40GBASE-SR4, 100GBASE-SR4)			
FC4ZO-24-NMNMA	24-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method A polarity.	1	10
FC4ZO-24-NMNMB1	24-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method B polarity (B1, 1 to 1 array).	1	10
FC4ZO-24-NMNMB2	24-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method B polarity (B2, 1 to 1 array).	1	10
FC4ZO-48-NMNMA	48-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method A polarity.	1	10
FC4ZO-48-NMNMB1	48-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method B polarity (B1, 1 to 1 array).	1	10
FC4ZO-48-NMNMB2	48-fiber, OM4 Fiber/Optimized Loss (0.5 dB max. IL), Method B polarity (B2, 1 to 2 array).	1	10
50/125µm (OM4) QuickNet™ Fiber Tap Cassette TAP cassettes provide passive optical tapping of live networks to obtain real-time network visibility.			
FCT-7ZA	OM4, 6-port (12 fiber), 70/30 split ratio tap cassette (front live 6-port duplex LC, front tap 6-port duplex LC; rear live 6-port duplex LC).	1	10
FCT-7ZB	OM4, 6-port (12 fiber), 70/30 split ratio tap cassette (front live 6-port duplex LC, front tap 6-port duplex LC; rear live 12-fiber MTP).	1	10
FCT-7ZC	OM4, 4-port (8 fiber), 70/30 split ratio tap cassette (front live 4-port duplex LC, front tap 4-port duplex LC, front live 4-port duplex LC).	1	10
FCT-7ZD	OM4, 12-port (24 fiber), 70/30 split ratio tap cassette (front live 12-port duplex LC; rear tap (2) 12-fiber MTP, rear live (2) 12-fiber MTP).	1	10

*MTP is a registered trademark of US Conec Ltd.

Order number of pieces required, in multiples of Standard Package Quantity.

Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures

- Mount to standard EIA 19" rack rails
- Hold QuickNet™ Fiber Optic Cassettes on pages C.58 – C.59, QuickNet™ or Opticom® Fiber Adapter Panels on pages C.53 – C.54
- Suitable for all pre-terminated, field terminated, or field-splice applications
- Slide-out, tilt-down drawer provides full front access to all fibers and cables
- Integral bend radius control and cable management for fiber optic patch cords
- Innovative rear cable management for proper slacking/spooling of trunk cable break-outs and interconnect cables
- Multiple trunk cable entry locations
- Include fiber optic cable routing kit (grommets, cable ties, spools, strain relief bracket, and ID/caution labels) for various cable management solutions

FCE1U

FCE2U

FCE4U

Part Number	Part Description	No. of Rack Spaces^	Std. Ctn. Qty.
FCE1U	Holds up to four QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules.	1	1
FCE1UA	Open access version of FCE1U enclosure. Holds up to four QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules.	1	1
FCE2U	Holds up to eight QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules.	2	1
FCE4U	Holds up to twelve QuickNet™ Cassettes, FAP adapter panels, or FOSM splice modules.	4	1

^One rack space = 1.75" (44.5mm).

Opticom® Rack Mount Fiber Enclosures

- Mount to standard 19" or 23" EIA rack or cabinet
- Hold QuickNet™ or Opticom® Fiber Adapter Panels (FAPs)
- Front and rear access on all models via durable molded-hinge doors
- Integral bend radius control and cable management for fiber patch cords
- Multiple trunk cable entry locations
- Include fiber optic cable routing kit (grommets, cable ties, saddle clips, strain relief bracket, and ID/caution labels) for various cable management solutions

FRME1U

FRME3

FRME2U

FRME4

Part Number	Part Description	No. of Rack Spaces^	Std. Ctn. Qty.
FRME1U	Holds up to three FAP or FMP adapter panels or FOSM splice modules. Bidirectional sliding drawers provides front and rear access to fibers.	1	1
FRME2U	Holds up to six FAP or FMP adapter panels or FOSM splice modules. Bidirectional sliding drawers provides front and rear access to fibers.	2	1
FRME3	Holds up to nine FAP or FMP adapter panels. Fixed bulkhead design.	3	1
FRME4	Holds up to twelve FAP or FMP adapter panels. Fixed bulkhead design.	4	1

^One rack space = 1.75" (44.45mm).
Optional locks available for rack mount enclosures.
All product color is black.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Opticom® Rack Mount Fiber Trays

- Mount to standard EIA 19" rack rails
- Standard front or angled front options
- Use with Opticom® Fiber Adapter Patch Panels (below) to protect fibers and terminations
- Can be used as a back box for select Mini-Com® Patch Panels
- Removable top cover provides access to connections, fibers, and slack storage in rear of tray
- Multiple trunk cable entry locations provided on rear and sides of enclosure
- Include fiber optic cable routing kit (grommets, cable ties, spools, strain relief bracket and ID/caution labels) for various cable management solutions

FMT1

FMT2

FMT1A

FMT2A

Part Number	Part Description	No. of Rack Spaces^	Std. Ctn. Qty.
Standard Fiber Mount Trays			
FMT1	Mount with CFAPPBL1 fiber adapter patch panel to hold up to four QuickNet™ Cassettes, FAP, and FMP adapter panels.	1	1
FMT2	Mount with CFAPPBL2 fiber adapter patch panel to hold up to eight QuickNet™ Cassettes, FAP, or FMP adapter panels.	2	1
Angled Fiber Mount Trays			
FMT1A	Mount with CFAPPBL1A angled fiber adapter patch panel to hold up to four FAP or FMP adapter panels.	1	1
FMT2A	Mount with CFAPPBL2A angled fiber adapter patch panel to hold up to eight FAP or FMP adapter panels.	2	1

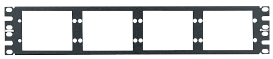
^One rack space = 1.75" (44.45mm).
All product color is black.

Order number of pieces required, in multiples of Standard Package Quantity.

Opticom® Fiber Adapter Patch Panels

- Mount to standard EIA 19" rack rails
- Standard version holds both QuickNet™ Fiber Optic Cassettes and Opticom® Fiber Adapter Panels
- Angled version holds Opticom® Fiber Adapter Panels and matches Mini-Com® Angled Patch Panel profile
- Use with Opticom® Rack Mount Fiber Trays (above) to protect fibers and terminations

CFAPPBL1



CFAPPBL2

CFAPPBL1A

CFAPPBL2A

Part Number	Part Description	No. of Rack Spaces^	Std. Ctn. Qty.
Standard Fiber Adapter Patch Panels			
CFAPPBL1	Flat fiber patch panel. Holds up to four FAP or FMP adapter panels.	1	1
CFAPPBL2	Flat fiber patch panel. Holds up to eight FAP or FMP adapter panels.	2	1
Angled Fiber Adapter Patch Panels			
CFAPPBL1A	Angled fiber patch panel. Holds up to four FAP or FMP adapter panels.	1	1
CFAPPBL2A	Angled fiber patch panel. Holds up to eight FAP or FMP adapter panels.	2	1

^One rack space = 1.75" (44.45mm).
All product color is black.

Opticom® Zero RU Cable Management Solutions

- Mount directly to rack or enclosure to provide location, connection, and quick deployment of QuickNet™ or Opticom® Fiber Adapter Panels (pages C.53 – C.54) or QuickNet™ MTP* Cassettes (pages C.58 – C.59) without using additional rack space
- Can be used with QuickNet™ MPO/MTP* Fiber Adapter Panels and QuickNet™ Hydra Cable Assemblies on page C.79 to facilitate connection to the active equipment

FQCRCM

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FQCRCM	QuickNet™ Cassette Rear Cable Manager manages up to one meter of slack for each of 16 MTP* Interconnect Cables in support of QuickNet™ SFQ Cassettes, QuickNet™ HDQ Cassettes, or QuickNet™ MTP Cassettes. *Intended for Panduit® 2-Post Racks ONLY. Not intended for 4-post racks, server cabinets or network cabinets.*	1	10

*MTP is a registered trademark of US Conec Ltd.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

QuickNet™ Patch Panels and Accessories

- Accept QuickNet™ Copper Cable Assemblies and QuickNet™ SFQ Series MTP* Fiber Optic Cassettes which snap in and out with one hand
- High-density patch panels conserve valuable rack space
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers
- All metal patch panels accept shielded cassettes, no additional grounding kit required
- Pre-printed numbers above each port for easy identification
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets
- Zero RU brackets accept fiber adapter panels or pre-terminated cassettes by mounting directly to rack or enclosure without utilizing additional rack space
- Optional patch panel adapter (QPPABL) accepts all Mini-Com® Modules for UTP, fiber optic, and audio/visual applications
- Optional patch panel blank (QPPBBL) promotes proper airflow and cooling
- Label/label cover kit (QPPLC24) provides port and panel identification for 24-port patch panels
- Optional retrofit grounding kit (QNSMRRT) required to ground shielded cassettes to QuickNet™ Modular Patch Panels
- QuickNet™ All Metal Modular Patch Panels accept shielded cassettes, with no additional grounding kit required

QAPP24BL

QASP24BL

QAPP48HDBL

QASP48HDBL

QPP24BL

QSP24BL

QPP48HDBL

QPPABL

QSP48HDBL

QPPBBL

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
QuickNet™ Angled Patch Panels				
QAPP24BL	24-port angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QASP24BL	24-port, all metal angled patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
QAPP48HDBL	48-port angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QAPP48HDVNSBL	48-port angled patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters. Numbering sequence is top to bottom across patch panel.	1	1	10
QASP48HDBL	48-port, all metal angled patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
QuickNet™ Flat Patch Panels				
QPP24BL	24-port patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QSP24BL	24-port, all metal patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
QPP48HDBL	48-port patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters.	1	1	10
QPP48HDVNSBL	48-port patch panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adapters. Numbering sequence is top to bottom across patch panel.	1	1	10
Patch Panel Adapter				
QPPABL	QuickNet™ Patch Panel Adapter which accepts Mini-Com® Modules for UTP, fiber optic, and audio/visual applications.	—	1	10
QSP48HDBL	48-port, all metal patch panel which accepts QuickNet™ Pre-Terminated Shielded Cassettes and Patch Panel Adapters.	1	1	10
Patch Panel Blank				
QPPBBL	QuickNet™ Patch Panel Blank reserves space for future use and promotes proper airflow and cooling.	—	1	10
Patch Panel Label Kit				
QPPLC24	Label/label cover kit for 24-port QuickNet™ Patch Panels. Each kit contains four labels and four clear label covers per bag.	—	1	10

*MTP is a registered trademark of US Conec Ltd. ^One rack space = 1.75" (44.45mm). M6 and #12-24 mounting screws included.

Order number of pieces required, in multiples of Standard Package Quantity.

HD Flex™ MTP* Fiber Optic Cassettes

- Compatible with HD Flex™ Rack Mount Fiber Cassette Enclosures on page C.75 for up to 144-fiber connections in 1 RU (72 LC duplex ports)
- Low insertion loss of 0.5dB max. per optimized cassette, 0.35 dB max. per optimized cassette and 0.75 dB max. per standard cassette
- Return loss: >20dB (multimode), >26dB (OM3 and OM4), >55dB (singlemode)
- Adapter housing colors followTIA/EIA-568-C.3 suggested color identification scheme
- Connect together,with high-density female MTP* cable assemblies as interconnecting network segments for deploying a remote or data center location in minutes
- Significantly reduce installation time and labor by eliminating field connector terminations
- Cassettes accessible from the front or back to streamline installation and migration from 10 to 40G/100G Ethernet
- Insertion loss data provided on every fiber cassette
- Return loss data provided on all singlemode fiber cassettes
- Lifetime traceability of test data to a QC number on each fiber cassette

FHCZO-12-10AS

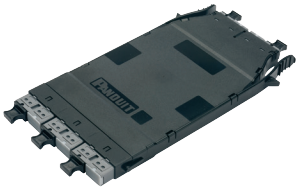
FHC3ZO-08-10BN

FHSZO-12-10P

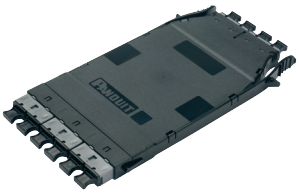
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
HD Flex™ Cassettes – 1 MPO to 6 LC Duplex			
FHCZO-12-10AS	OM4 Fiber/Optimized Loss (0.5dB max. IL), Method A polarity.	1	10
FHCZO-12-10AF	OM4 Fiber/Optimized Loss (0.5dB max. IL), Pair flipped polarity.	1	10
FHCZO-12-10BN	OM4 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity.	1	10
FHCZA-12-10AS	OM4 Fiber/Ultra Low Loss (0.35dB max. IL), Method A polarity.	1	10
FHCZA-12-10AF	OM4 Fiber/Ultra Low Loss (0.35dB max. IL), Pair flipped polarity.	1	10
FHCZA-12-10BN	OM4 Fiber/Ultra Low Loss (0.35dB max. IL), Method B polarity.	1	10
FHCXO-12-10AS	OM3 Fiber/Optimized Loss (0.5dB max. IL), Method A polarity.	1	10
FHCXO-12-10AF	OM3 Fiber/Optimized Loss (0.5dB max. IL), Pair flipped polarity.	1	10
FHCXO-12-10BN	OM3 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity.	1	10
FHC9N-12-10AS	OS2 Fiber/Standard Loss (7.5dB max. IL), Method A polarity.	1	10
FHC9N-12-10AF	OS2 Fiber/Standard Loss (7.5dB max. IL), Pair flipped polarity.	1	10
HD Flex™ 4-to-1 Conversion Migration Cassettes – 1 MPO to 4 LC Duplex			
FHC3ZO-08-10BN	OM4 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity.	1	10
FHC3ZA-08-10BN	OM4 Fiber/Ultra Low Loss (0.35dB max. IL), Method B polarity.	1	10
FHC3XO-08-10BN	OM3 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity.	1	10
FHC39N-08-10AN	OS2 Fiber/Standard Loss (7.5dB max. IL), Method A polarity.	1	10
HD Flex™ LC Splice Cassettes			
FHSZO-12-10P	OM4 Fiber/Optimized Loss (0.15 dB max. connector IL plus splice loss), Preloaded with 12 pigtails (250µm) and 12 splice sleeves.	1	10
FHSZO-12-10R	OM4 Fiber/Optimized Loss (0.15dB max. connector IL plus splice loss), Preloaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve.	1	10
FHSZA-12-10P	OM4 Fiber/Ultra Low Loss (0.10dB max. connector IL plus splice loss), Preloaded with 12 pigtails (250µm) and 12 splice sleeves.	1	10
FHSZA-12-10R	OM4 Fiber/Ultra Low Loss (0.10dB max. connector IL plus splice loss), Preloaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve.	1	10

*MTP is a registered trademark of US Conec Ltd.

HD Flex™ MTP* Fiber Optic Cassettes (continued)



24-fiber



48-fiber

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FHSXO-12-10P	OM3 Fiber/Optimized Loss (0.15dB max. connector IL plus splice loss), Preloaded with 12 pigtails (250µm) and 12 splice sleeves.	1	10
FHSXO-12-10R	OM3 Fiber/Optimized Loss (0.15dB max. connector IL plus splice loss), Preloaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve.	1	10
FHS9N-12-10P	OS2 Fiber/Standard Loss (0.35dB max. connector IL plus splice loss), Preloaded with 12 pigtails (250µm) and 12 splice sleeves.	1	10
FHS9N-12-10R	OS2 Fiber/Standard Loss (0.35dB max. connector IL plus splice loss), Preloaded with 12-fiber ribbon pigtail and 1 ribbon fiber splice sleeve.	1	0
HD Flex™ "Dark Fiber" Conversion Cassettes			
FH4ZO-24-NMNMA	24-fiber, OM4 Fiber/Optimized Loss (0.5dB max. IL), Method A polarity.	1	10
FH4ZO-24-NMNM81	24-fiber, OM4 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity (B1, 1 to 1 array).	1	10
FH4ZO-24-NMNM82	24-fiber, OM4 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity (B2, 1 to 1 array).	1	10
FH4ZO-48-NMNMA	48-fiber, OM4 Fiber/Optimized Loss (0.5dB max. IL), Method A polarity.	1	10
FH4ZO-48-NMNMB1	48-fiber, OM4 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity (B1, 1 to 1 array).	1	10
FH4ZO-48-NMNMB2	48-fiber, OM4 Fiber/Optimized Loss (0.5dB max. IL), Method B polarity (B2, 1 to 2 array).	1	10

*MTP is a registered trademark of US Conec Ltd.

Order number of pieces required, in multiples of Standard Package Quantity.

HD Flex™ Fiber Enclosures

- Organize, manage, and protect fiber optic cable, terminations, splices, connectors and patch cords
- Provide front access with drawers that slide out into two locked positions, regardless of how many enclosures are stacked together
- Enclosure trays allow for half of the tray to operate independently, an ideal option for redundant networks
- Allow cassettes and FAPs to be installed by dropping them into the front of the enclosure tray or sliding them into the rear of the enclosure tray which allows each individual cassette/FAP to be removed with minimal disruption to other cassettes/FAPs

FLEX1U

FLEX4U

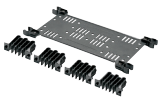
FLEX-PLATE1U

FLEX-PLATE4U

FLEX-CLIP12

FLEX-CLIP18

FLEX-CM12S



FLEX-CM18S

Part Number	Part Description	Std. Ctn. Qty.
Enclosures		
FLEX1U	1RU HD Flex™ Enclosure.	1
FLEX4U	4RU HD Flex™ Enclosure.	1
Cable Management Accessories		
FLEX-PLATE1U	1RU HD Flex™ Enclosure Trunk Slack Plate.	1
FLEX-PLATE4U	4RU HD Flex™ Enclosure Trunk Slack Plate.	1
FLEX-CLIP12	HD Flex™ Trunk Transition Clip (qty. 2); 12-position.	1
FLEX-CLIP18	HD Flex™ Trunk Transition Clip (qty. 2); 18-position.	1
FLEX-CM12S	HD Flex™ Universal Rear Cable Manager. Includes two 12-position transition managers and one screw mount transition bracket.	1
FLEX-CM18S	HD Flex™ Universal Rear Cable Manager. Includes two 18-position transition managers and one screw mount transition bracket.	1
FLEX-CM12C	HD Flex™ Rear Cable Manager for use with PatchRunner Cable Manager (PEV12). Includes four 12-position transition managers and one transition clip plate.	1
FLEX-CM18C	HD Flex™ Rear Cable Manager for use with PatchRunner Cable Manager (PEV12). Includes four 18-position transition managers and one transition clip plate.	1

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PanMPO™ and MTP Small Diameter Trunk Cable Assemblies with HD Flex™ Cable Management Transition Clip

- Pre-terminated 12-fiber and 24-fiber cable assemblies
- The unique design of the PanMPO™ Connector allows for rapid gender and polarity change in the field and enables a seamless, standards-compliant cable plant migration from duplex based applications (e.g. 10G Ethernet) to parallel optics based applications (e.g. 40/100G Ethernet)
- HD Flex™ cable management transition clips for use with HD Flex™ cable management accessories
- These small diameter trunk cable assemblies optimize cable routing requirements to ensure efficient use of pathway space and significantly reduce installation time and cost
- All trunk cable assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity

Part Number

Example: FXUYP7575XNF030 = OM3 24 Fiber HD Flex™ Indoor Small Diameter Trunk Plenum, PanMPO™ Female to PanMPO™ Female, Method A, Optimized IL, No Pulling Eye - 30 Feet, indoor small diameter trunk cable, change with plenum, PanMPO™ Female to PanMPO™ Female, polarity A optimized IL, MO, pulling eye, 30 feet.

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	X	U	Y	P	7	5	7	5	X	N	F	0	3	0

1 – Fiber
F = Fiber

2 – Fiber Type
9 = Singlemode
X = OM3
Z = OM4

3 – Fiber Count
T = 12-fiber
U = 24-fiber

4 – Cable Type
Y = Indoor small diameter trunk cable

5 – Jacket Type
L = Low Smoke Zero Halogen (LSZH)
P = Plenum (OFNP)

6 – Connector Type (End A)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

7 – Connector Variant (End A)
5 = 39" Breakout with HD Flex™ transition

8 – Connector Type (End B)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

9 – Connector Variant (End B)
5 = 39" Breakout with HD Flex™ transition

10 – Construction/Performance
A = Singlemode, Polarity A - Standard IL
X = Multimode, Polarity A - Optimized IL
Y = Multimode, Polarity B - Optimized IL
K = Multimode, Polarity A - Ultra Low IL
L = Multimode, Polarity B - Ultra Low IL

11 – Other
N = No pulling eye (15 – 100 ft., 5 – 30m)
A = Pulling eye end A (>100 ft., > 30m)

12 – Length, Unit of Measure
F = Feet (OFNP)
M = Meters (LSZH)

13, 14, 15 – Assembly Length
015 – 300 ft. 1 ft. increments to 100 ft., 5 ft. increments to 300 ft.
005 – 100m, 1m increments

Order number of pieces required, in multiples of Standard Package Quantity.

Fiber Interconnect Assemblies in Multimode and Singlemode

- PanMpo™ Multimode and MPO Singlemode Interconnect Cable Assemblies are pre-terminated and 100% factory tested
- Test results are provided with each cord
- The 12-fiber 3.0mm round interconnect cable provides high flexibility and tight bend radius for easy installation and cable management
- PanMPO™ is the only MPO connector that allows rapid gender and polarity change in the field
- Meets or exceeds TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-568-C.2
- RoHS Compliant

Part Number
Example: FZTRP7N7NANF015

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	Z	T	R	P	7	N	7	N	A	N	F	0	1	5

1 – Fiber
F = Fiber

2 – Fiber Type
9 = Singlemode
X = OM3
Z = OM4
S = Signature Core (OM4+)

3 – Fiber Count
T = 12-fiber

4 – Cable Type
R = Round 3mm

5 – Jacket Type
P = Plenum (OFNP)
L = LSZH

6 – Connector Type (End A)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

7 – Connector Variant
N = No variant

8 – Connector Type (End B)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

9 – Connector Variant
N = No variant

10 – Polarity/Performance
A = Singlemode, Multimode, Method A, Standard IL
B = Multimode, Method B, Standard IL
X = Multimode, Method A, Optimized IL
Y = Multimode, Method B, Optimized IL

11 – Pulling Eye
N = No pulling eye

12 – Length, Unit of Measure
F = Feet (Plenum)
M = Meters (LSZH)

13, 14, 15 – Assembly Length
015 – 300 feet (OFNP)
005 – 100 meters (LSZH)

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Fiber Trunk Cable Assemblies

- Small Diameter Trunk Cable Assemblies allow for rapid deployment of high-density permanent links
- Optimize cable routing requirements to ensure efficient use of pathway space
- Significantly reduce installation time and cost
- 100% factory tested
- Test results are provided with each trunk
- PanMPO™ is the only MPO connector that allows for rapid gender and polarity change in the field
- ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIC/EIA-568-C.1, GR-409-CORE, ICEA S-83-596
- RoHS Complaint
- Standard 1 meter breakout length

Part Number
Example: FZTYP7E7EAAF075

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	Z	T	Y	P	7	E	7	E	A	A	F	0	7	5

1 – Fiber
F = Fiber

2 – Fiber Type
9 = Singlemode
X = OM3
Z = OM4
S = Signature Core (OM4+)

3 – Fiber Count*
T = 12-fiber
U = 24-fiber
W = 48-fiber

4 – Cable Type
Y = Indoor small diameter trunk cable

5 – Jacket Type
P = Plenum (OFNP)
L = LSZH

6 – Connector Type (End A)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male
L = LC Duplex

7 – Connector Variant (End A)
E = Standard 1m breakout (MPO)
2 = 2mm upjacket (LC Duplex)

8 – Connector Type (End B)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male
L = LC Duplex

9 – Connector Variant
E = Standard 1m breakout (MPO)
2 = 2mm upjacket (LC Duplex)

10 – Polarity/Performance
A = Singlemode, Multimode, Method A, Standard IL
B = Multimode, Method B, Standard IL
X = Multimode, Method A, Optimized IL
Y = Multimode, Method B, Optimized IL

11 – Pulling Eye
A = Pulling eye
N = No pulling eye

12 – Length, Unit of Measure
F = Feet (OFNP)
M = Meters (LSZH)

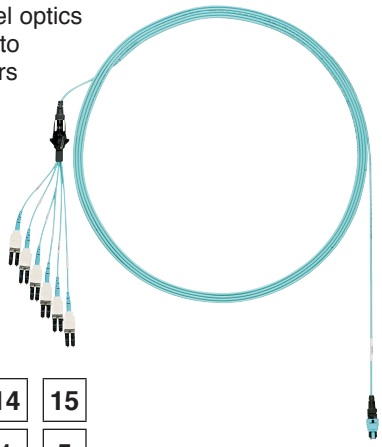
13, 14, 15 – Assembly Length
015 – 300 feet (OFNP)
005 – 100 meters (LSZH)

* Higher fiber count, armored, and indoor/outdoor cables also available

Order number of pieces required, in multiples of Standard Package Quantity.

Fiber Harnesses/Hydra Assemblies

- PanMPO™ Multimode and MPO Singlemode Round Harness Cable Assemblies are pre-terminated and 100% factory tested
- The unique design of the PanMPO™ Connector allows for rapid gender change in the field, in support of standards-compliant cable plant migration from 10G cassette-based systems to 40G MPO connector-based parallel optics cable plant. PanMPO™ Harness Assemblies meet the demands of 10G Ethernet, higher speed 40G Ethernet, and high-speed ANSI Fibre Channel systems, while maintaining compliance to the recommendations of TIA-568-C for both Serial Duplex and Parallel Optics wiring schemes
- Push-Pull LC allow easy removal in high density applications
- LC uniboot connectors reduce cable density on the switch up to 40% and allow easy change of polarity.
- Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-604-10 (FOCIS-10), TIA/EI-56-C.1
- RoHS compliant
- 4-to-1 conversion harness convert one 8-fiber MTP (Parallel optics for 40/100gBASE-SR4) to (4) Duplex LC connectors



Part Number
Example: FZTRP7NQSSNF015

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	Z	T	R	P	7	N	Q	S	S	N	F	0	1	5

1 – Fiber
F = Fiber

2 – Fiber Type
9 = Singlemode
X = OM3
Z = OM4

3 – Fiber Count
8 = 8-fiber
T = 12-fiber

4 – Cable Type
R = Round 3mm

5 – Jacket Type
P = Plenum (OFNP)
L = LSZH

6 – Connector Type (End A)
5 = Singlemode MTP Female
6 = Singlemode MTP Male
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

7 – Connector Variant
N = No variant

8 – Connector Type (End B)
U = Uniboot
Q = Push Pull LC

9 – Connector Variant
A = 18" equal breakout*
S = 24" equal breakout*
F = Staggered, Pair 1 longest
G = Staggered, Pair 1 shortest

10 – Polarity/Performance
S = Singlemode, Multimode, Standard Fanout, Standard IL
O = Multimode, Standard Fanout, Optimized IL
Q = Singlemode, Multimode, 4-1 conversion, Standard IL (8-FIBER)
V = Multimode, 4-1 conversion, Optimized IL (8-FIBER)

11 – Pulling Eye
N = No pulling eye

12 – Length, Unit of Measure
F = Feet (OFNP)
M = Meters (LSZH)

13, 14, 15 – Assembly Length
003 – 050 feet (OFNP)
001 – 020 meters (LSZH)

*Additional stagger options also available

8-F – Standard Harness

MPO End/LC End	Fiber Position from MPO End to LC End											
MPO	–	–	3	4	5	6	7	8	9	10	–	–
LC	–	–	1	2	3	4	5	6	7	8	–	–

A 12F – Standard Harness

MPO End/LC End	Fiber Position from MPO End to LC End											
MPO	1	2	3	4	5	6	7	8	9	10	11	12
LC	1	2	3	4	5	6	7	8	9	10	11	12

8-F – 4-to-1 Conversion Harness

MPO End/LC End	Fiber Position from MPO End to LC End											
MPO	1	2	3	4	–	–	–	–	9	10	11	12
LC	1	3	5	7	–	–	–	–	8	6	4	2

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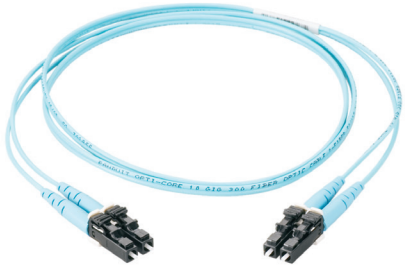
Fiber Patch Cords and Pigtails

- Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at the desk
- Patch cords support network applications in main, horizontal and equipment distribution areas and are available in riser (OFNR), and low smoke zero halogen (LSZH) rated jacket materials to comply with local cabling ordinances
- Pre-terminated fiber optic pigtails support fusion splice field termination applications. Fiber optic patch cords and pigtails are available in OM4, OM3, OM2, OM1, or OS2 fiber types to meet the demands of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fiber Channel
- Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-3 (FOCIS-3), TIA-604-10 (FOCIS-10)
- Restriction of Hazardous Substances (RoHS) Compliance: All patch cord components meet the requirements of Directive 2002/95/EC



Patch Cords

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	Z	2	E	R	Q	1	Q	1	S	N	F	0	0	5

1 – Fiber
F = Fiber

2 – Fiber Type
9 = Singlemode
X = OM3
Z = OM4

3 – Fiber Count
2 = 2-fiber

4 – Cable Type
E = 1.6mm duplex
3 = 3.0mm duplex (SC-SC only)

5 – Jacket Type
R = Riser (OFNR)
L = LSZH (Low Smoke Zero Halogen)

6 – Connector Type (End A)
L = LC Duplex
S = SC Duplex
Q = Push-Pull Duplex LC

7 – Connector Variant
N = No variant (LC, SC)
1 = Push-Pull Duplex LC

8 – Connector Type (End B)
L = LC Duplex
S = SC Duplex
Q = Push-Pull Duplex LC

9 – Connector Variant
N = No variant (LC, SC)
1 = Push-Pull Duplex LC

10 – Polarity/Performance
S = Standard IL straight Through (A-B)
O = Optimized IL straight Through (A-B)
N = Ultra-Low IL/ Straight Through (A-B) OM4 Only

11 – Pulling Eye
N = No pulling eye

12 – Length, Unit of Measure
F = Feet (riser only)
M = Meters

13, 14, 15 – Assembly Length
F = 003 – 030 feet
M = 001 – 010 meters
1/2 meter increments available between 1 and 10 meters

Pigtails

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	Z	1	B	N	1	N	N	N	S	N	M	0	0	1

1 – Fiber
F = Fiber

2 – Fiber Type
9 = Singlemode
X = OM3
Z = OM4

3 – Fiber Count
1 = 1-fiber

4 – Cable Type
B = 900µm

5 – Jacket Type
N = Non-rated

6 – Connector Type (End A)
1 = LC Simplex
3 = SC Simplex

7 – Connector Variant
N = No variant (LC, SC)

8 – Connector Type (End B)
N = No connector (pigtail)

9 – Connector Variant
N = No variant (LC, SC)

10 – Polarity/Performance
S = Standard IL
O = Optimized IL

11 – Pulling Eye
N = No pulling eye

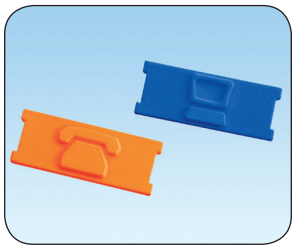
12 – Length, Unit of Measure
M = Meters

13, 14, 15 – Assembly Length
M = 001 – 003 meters

Order number of pieces required, in multiples of Standard Package Quantity.

Faceplates, Outlet Frames and Surface Mount Boxes

Panduit offers the most comprehensive selection of communication outlets to extend your copper, audio/video, and fiber cabling system to the work area. From a standard work station configuration to a MuTOA application, Panduit has a solution to support your requirements.



- **Completely modular, accepting all Mini-Com® Modules for copper, fiber, and audio/video applications**
- **Superior design provides lower profile, higher density outlet products, creating a cost-effective solution for easy moves, adds, and changes**
- **Aesthetically pleasing solution to compliment all types of work areas**
- **Ultimate ID® components are part of a complete system for identification designed to efficiently support TIA/EIA-606-B standard labeling requirements**

Work area outlets products are easily installed and provide a broad range of solutions. Outlets solutions consist of a variety of faceplate styles and port densities, including tamper resistant and water resistant options. Surface mount boxes are available in shuttered and non-shuttered versions.

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Mini-Com® Classic Series Faceplates with Label and Label Cover

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Include label/label covers for easy port identification
- Replacement label/label covers available

CFPL2IWY

CFPL3IWY

CFPL4IWY

CFPL6IWY

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CFPL2IWY	Single gang, vertical faceplate accepts two Mini-Com® Modules.	Off White	1	10
CFPL3IWY	Single gang, vertical faceplate accepts three Mini-Com® Modules.	Off White	1	10
CFPL4IWY	Single gang, vertical faceplate accepts four Mini-Com® Modules.	Off White	1	10
CFPL6IWY	Single gang, vertical faceplate accepts six Mini-Com® Modules.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).
All faceplates supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® Classic Series Sloped Faceplates with Label and Label Cover

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Include label/label covers for easy port identification
- Replacement label/label covers available
- Optional icons available

CFPSL2IWY

CFPSL4IWY

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CFPSL2IWY	Single gang, sloped vertical faceplate accepts two Mini-Com® Modules.	Off White	1	10
CFPSL4IWY	Single gang, sloped vertical faceplate accepts four Mini-Com® Modules.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).
All faceplates supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® Classic Series Faceplates

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Optional adhesive labels available

CFP1IW

CFP2IW

CFP4IW

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CFP1IW	Single gang, vertical faceplate accepts one Mini-Com® Module.	Off White	1	10
CFP2IW	Single gang, vertical faceplate accepts two Mini-Com® Modules.	Off White	1	10
CFP4IW	Single gang, vertical faceplate accepts four Mini-Com® Modules.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).
All faceplates supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® Executive Series Faceplates with Label and Label Cover

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Include label/label covers for easy port identification
- Raised rail design for aesthetic appeal

CFPE1IWY

CFPE2IWY

CFPE4IWY

CFPE6IWY

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CFPE1IWY	Single gang, vertical faceplate accepts one Mini-Com® Module.	Off White	1	10
CFPE2IWY	Single gang, vertical faceplate accepts two Mini-Com® Modules.	Off White	1	10
CFPE4IWY	Single gang, vertical faceplate accepts four Mini-Com® Modules.	Off White	1	10
CFPE6IWY	Single gang, vertical faceplate accepts six Mini-Com® Modules. Requires minimum 1.9" wide electrical box for proper mounting.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).
All faceplates supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

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Mini-Com® Ultimate ID® Tamper Resistant Faceplate Kit

- Ultimate ID® components are part of a complete system for identification designed to efficiently support TIA/EIA-606-B standard labeling requirements
- Includes tamper resistant screw to prevent unauthorized access to the connections
- Front accessible inserts are recessed and provide a 30° slope to provide proper bend radius control
- Requires minimum in-wall box depth of 2.125"
- Accepts Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Supplied with color coordinated screw cover
- Can be clearly identified with the PanTher™ LS8E Hand-Held Thermal Transfer Printer
- Non-adhesive computer printable label sheets for desktop printers and write-on labels available
- Replacement screw covers and label covers available

Part Number	Part Description	Color‡	Labels Required	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFPRTR4IW	Tamper resistant faceplate kit includes faceplate frame, two recessed modular inserts, faceplate cover with additional outlet station identifier and tamper resistant screw. Holds up to four Mini-Com® Modules.	Off White	One 1-Port Two 2-Port	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory) or WH (White).
All faceplates supplied with mounting screws.
T8 Torx driver required for installation of tamper resistant screw.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® Water Resistant Faceplate

- Includes unique gaskets that prevent water from entering and damaging connections
- Meets the level of protection required for an IP56 enclosure
- Sloped design improves bend radius control
- Made of impact resistant material
- Optional icons available
- Two-piece hinged design
- Mounts to single gang opening
- Includes combo head screws to secure cover to base (tamper resistant screws also included)
- Accepts Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CFPWR4CIG	Single gang, vertical water resistant faceplate accepts four Mini-Com® Modules. Dimensions: 5.8"H x 3.1"W x 1.5"D (147.32mm x 78.74mm x 38.10mm).	International Gray Base and Clear Cover	1	10

‡For other colors replace suffix CIG (International Gray base with Clear cover) with CL (Clear base and cover), IG (International Gray), IW (Off White), BL (Black), EI (Electric Ivory), or WH (White).
All faceplates supplied with mounting screws.
Fiber modules are not recommended for use in bottom two module spaces due to bend radius control requirements.
For complete labeling solutions refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® Stainless Steel Faceplates with Labels

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Include label/label covers for easy port identification
- Replacement label/label cover kits available on page D.10
- Impact-resistant 304 stainless steel suitable for light industrial environments

CFPL2SY

CFPL4SY

CFPL6SY

CFPSL2S

CFPSL4S

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CFPL2SY	Single gang, vertical faceplate accepts two Mini-Com® Modules.	1	10
CFPL4SY	Single gang, vertical faceplate accepts four Mini-Com® Modules. Requires minimum 1.9" wide electrical box for proper mounting.	1	10
CFPL6SY	Single gang, vertical faceplate accepts six Mini-Com® Modules. Requires minimum 1.9" wide electrical box for proper mounting.	1	10
CFPSL2S	Single gang, stainless steel, sloped recessed faceplate with labels. Accepts two Mini-Com® modules.	1	10
CFPSL4S	Single gang, stainless steel, sloped recessed faceplate with labels. Accepts four Mini-Com® modules.	1	10

All faceplates include mounting screws.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® Classic and Executive Faceplate Frames

- Accept inserts which snap in and out of faceplate frames
- All inserts are front releasable
- Allow custom installations with your choice of inserts
- Optional adhesive labels available
- Executive faceplates frames have raised rail design for aesthetic appeal

CBIW

CBEIWY

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
Classic Faceplate Frames				
CBIW	Single gang faceplate frame accepts two 1/2 size module inserts or three 1/3 size module inserts.	Off White	1	10
Executive Faceplate Frames				
CBEIWY	Single gang faceplate frame accepts up to two 1/2 size module inserts or three 1/3 size module inserts. Supplied with labels and label cover/screw covers.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).
All faceplates supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

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Mini-Com® Inserts

- Compatible with classic and executive faceplate frames
- Front releasable
- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes

CHS2IW-X

CHF2IW-X

CHB2IW-X

CHF2MIW-X

CHB2MIW-X

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CHS2IW-X	Two module space, 1/2 size, sloped insert accepts two Mini-Com® Modules.	Off White	10	50
CHF2IW-X	Two module space, 1/2 size, flat insert accepts two Mini-Com® Modules.	Off White	10	50
CHB2IW-X	1/2 blank insert. Reserves space for future upgrades.	Off White	10	50
CHF2MIW-X	Two module space, 1/3 size, flat insert accepts two Mini-Com® Modules.	Off White	10	50
CHB2MIW-X	1/3 blank insert. Reserves space for future upgrades.	Off White	10	50

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
For complete labeling solutions refer to www.panduit.com.

Mini-Com® "GFCI" Decora Module Frames

- Mount behind any standard GFCI electrical faceplate
- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Optional adhesive labels available

CFG2IW

CFG4IW

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CFG2IW	Module frame accepts two Mini-Com® Modules.	Off White	1	10
CFG4IW	Module frame accepts four Mini-Com® Modules.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
All frames include mounting screws.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® 106 Duplex Module Frames

- Mount behind standard 106 NEMA faceplates
- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes

CF1062IWY

CF1064IWY

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CF1062IWY	Module frame accepts two Mini-Com® Modules.	Off White	1	10
CF1064IWY	Module frame accepts four Mini-Com® Modules.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
All frames supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Phone Plate with Module

- Stainless steel construction
- Includes mounting studs on plate which are positioned to mount standard wall mount telephones with keystone adaptation flush to wall surface

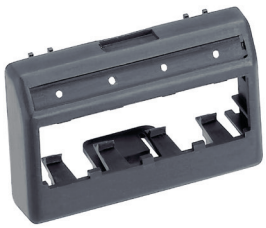
KWP5EY KWPY

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty
KWP5EY	Stainless steel phone plate with Giga-TX™ Category 5e Keystone Jack Module.	1	10
KWP6PY	Stainless steel phone plate with Giga-TX™ Category 6 Keystone Jack Module.	1	10
KWPY	Stainless steel wall phone plate accepts one keystone module.	1	10

Contact technical support to verify mounting holes when using IP or console type telephones.
All faceplates supplied with mounting screws.
Wall mount faceplate kits above only accept wall mountable phones with short patch cord connections to the jack module.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® Ultimate ID® Modular Furniture Faceplate

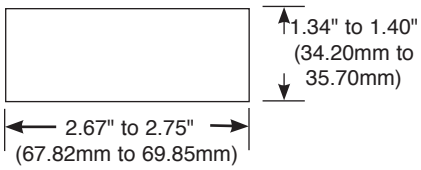
- Ultimate ID® components are part of a complete system for identification designed to efficiently support TIA/EIA-606-B standard labeling requirements
- Accepts Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Supplied with clear station and port label covers, labels sold separately
- Can be clearly identified with the PanTher™ LS8E Hand-Held Thermal Transfer Printers
- Computer printable label sheets for desktop printers and write-on labels available
- Replacement label covers available
- Fits standard furniture openings



Part Number	Part Description	Color‡	Labels Required	Std. Pkg. Qty.	Std. Ctn. Qty.
UICFFP4BL	Faceplate snaps into standard knockouts found on modular furniture. Holds up to four Mini-Com® Modules. See panel cutout requirement.	Black	One 1-Port One 4-Port	1	10

‡For other colors replace suffix BL (Black) with EI (Electric Ivory), IG (International Gray), or IW (Off White).
For complete labeling solutions refer to www.panduit.com.

Panel Cutout Requirement:



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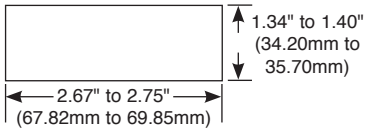
Mini-Com® Snap-On Modular Furniture Faceplates

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Optional adhesive labels available
- Select faceplates feature label/label covers for easy port identification

CFFPL4 CFFP4

CFFPA2

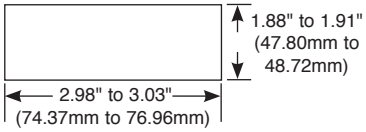
Panel Cutout Requirements for CFFPL4, CFFP4 and CFFPA2



Maximum Panel Thickness: 0.09" (2.29mm)

CFFPHM4

Panel Cutout Requirements for CFFPHM4:



Maximum Panel Thickness: 0.09" (2.29mm)

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
Four Module Space Modular Furniture Snap-On Faceplate with Labels				
CFFPL4BL	Faceplate snaps into industry standard knockouts found on modular furniture. Accepts up to four Mini-Com® Modules. Supplied with write-on label and label cover.	Black	1	10
Four Module Space Modular Furniture Snap-On Faceplate				
CFFP4BL	Faceplate snaps into industry standard knockouts found on modular furniture. Accepts up to four Mini-Com® Modules.	Black	1	10
Two Module Space Angled Modular Furniture Snap-On Faceplate				
CFFPA2BL	Angled faceplate snaps into industry standard knockouts found on modular furniture. Accepts up to two Mini-Com® Modules.	Black	1	10
Four Module Space Herman Miller* Furniture Snap-On Faceplate				
CFFPHM4BL	Faceplate snaps into knockouts found on Herman Miller* furniture such as Action Office Series 2 and 3 and Ethospace Baseline. Accepts up to four Mini-Com® Modules.	Black	1	10

‡For other colors replace suffix BL (Black) with EI (Electric Ivory), IG (International Gray), or IW (Off White). For complete labeling solutions refer to www.panduit.com.

*HERMAN MILLER is a trademark of Herman Miller, Inc., Zeeland, MI.

Order number of pieces required, in multiples of Standard Package Quantity.

Mini-Com® Surface Mount Boxes

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Mount easily with supplied mounting screws, adhesive tape, or optional magnet (CBM-X)
- Cable entry from side and rear knockouts and from opening in center of base
- CBX2 includes built-in removable blank to add a second module
- Optional adhesive labels available

CBX1IW-A

CBX2IW-AY

CBX4IW-AY

Part Number	Part Description	Color‡	Used with Pan-Way® Raceway	Std. Pkg. Qty.	Std. Ctn. Qty.
CBX1IW-A	Surface mount box accepts one Mini-Com® Module. Dimensions: 0.9"H x 1.01"W x 1.88"L (22.86mm x 25.65mm x 47.75mm). Rear knockout provides opening of 0.42"H x 0.26"W. UL-2043 rated; suitable for air handling spaces.	Off White	LD3, LDS3*, LDPH5	1	10
CBX2IW-AY	Surface mount box accepts one or two Mini-Com® Modules; includes built-in removable blank to add a second module. Dimensions: 1.06"H x 1.95"W x 3.65"L (26.92mm x 49.53mm x 92.71mm). UL-2043 rated; suitable for air handling spaces	Off White	LD3, LDPH3, LD5, LDPH5	1	10
CBX4IW-AY	Surface mount box accepts four Mini-Com® Modules. Provides slots that accept cable ties for strain relief. Supplied with label holder/screw cover. Dimensions: 1.1"H x 2.9"W x 4.5"L (27.94mm x 73.66mm x 114.30mm).	Off White	LD3, LDPH3, LD5, LDPH5	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
*Raceway does not enter box.
Surface mount boxes do not accept icons.
For complete labeling solutions refer to www.panduit.com.

Mini-Com® Multi-Media/Fiber Surface Mount Boxes

- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Mount easily with supplied mounting screws or adhesive tape
- Cable tie slots for improved cable management
- Tamper resistant screw for added security
- Unique built-in fiber spool design secures cable in place and stores up to 78.8 feet (24 meters) of buffered fiber optic cable
- Cable entry from side and rear knockouts and from opening in bottom of base
- Optional adhesive labels available
- Combination label/label cover for custom outlet identification

CBXF6IW-AY

Part Number	Part Description	Color‡	Used with Pan-Way® Raceway	Std. Pkg. Qty.	Std. Ctn. Qty.
CBXF6IW-AY	Surface mount box accepts up to six Mini-Com® Modules. Icon slots available for optional icons. Dimensions: 0.99"H x 4.71"W x 6.67"L (25mm x 120mm x 170mm).	Off White	LD3/LD5 LDPH3/ LDPH5	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), or BL (Black).
For complete labeling solutions refer to www.panduit.com.

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Icons

- Provide port identification of data and voice installations
- Offered in a variety of colors for color coding requirements
- Snap into dedicated slot of select Mini-Com® Modules, Surface Mount Boxes, and Faceplates

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
CIPIW-C	Plastic snap-in icon with phone image.	Off White	100	1000
CIDIW-C	Plastic snap-in icon with data image.	Off White	100	1000

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory), WH (White), IG (International Gray), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), or VL (Violet).
Icons with lettering available, contact Panduit Customer Service.

Replacement Label/Label Cover Kits

For use with Mini-Com® Executive and Classic Series Faceplates with Labels and select Mini-Com® Surface Mount Boxes

CSGLLC-L

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Label/Label Cover Kit			
CSGLLC-L	Single gang Mini-Com® Label/Label Cover Kit. Each kit contains 50 labels and 50 clear label covers.	50	250
Label/Label Cover Kits with Screws			
EFPK-XY	Single gang label/label cover and two screws. Also works with select surface mount boxes.	10	50
EFPK102G-XY	Double gang label/label cover and four screws.	10	50

Order number of pieces required, in multiples of Standard Package Quantity.

Depth to Rear of Module Reference Guide

Part Number	All TG Modules		TX Modules		Leadframe Modules	
	In.	mm	In.	mm	In.	mm
Mini-Com® Classic Series Faceplates with Label and Label Cover						
CFPL2**Y, CFPL3**Y, CFPL4**Y, CFPL6**Y	1.23	31.2	1.16	29.5	1.11	28.2
Mini-Com® Classic Series Dedicated Sloped Faceplates						
CFPHS2**, CFPSL2**, CFPHSL4**, CFPSL4**, CFPSL6**	0.95	24.1	0.76	19.3	0.80	20.3
Mini-Com® Classic Series Vertical Faceplates						
CFP1**, CFP2**, CFP4**	1.24	31.5	1.17	29.7	1.12	28.4
Mini-Com® Classic Series Horizontal Faceplates						
CFPH2**, CFPH4**	1.24	31.5	1.17	29.7	1.12	28.4
Mini-Com® Classic Series Faceplate Kits						
CFPS4**	0.80	20.3	0.80	20.3	0.80	20.3
CFPF12**-2G	1.24	31.5	1.17	29.7	1.12	28.4
Mini-Com® Executive Series Faceplates						
CFPE1**Y, CFPE2**Y, CFPE4**Y, CFPE6**Y, CFPE10**-2GY	0.99	25.1	0.92	23.4	0.87	22.1
Mini-Com® Executive Series Faceplate Kit						
CFPSE4**Y	0.66	16.8	0.66	16.8	0.63	16.0
Mini-Com® Industrial Faceplates						
CFPWR4**, CFPTR4**, CFPTR2**	1.26	32.0	1.17	29.7	1.29	32.8
Mini-Com® Faceplate Frames for Sloped, Flat, and Blank Module Inserts						
CB**, CB**-2G						
Flat	1.24	31.5	0.76	19.3	1.12	28.4
Sloped	0.80	20.3	0.80	20.3	0.80	20.3
Recessed	1.36	34.5	1.36	34.5	1.33	33.8
30 degree insert	1.79	45.5	1.79	45.5	1.77	45.0
CBE**, CBE**-2GY						
Flat	0.99	25.1	0.92	23.4	0.87	22.1
Sloped	0.66	16.8	0.66	16.8	0.63	16.0
Recessed	1.46	37.1	1.46	37.1	1.43	36.3
30 degree insert	1.54	39.1	1.54	39.1	1.52	38.6
Mini-Com® 106 Duplex Module Frames						
CF1062**Y	1.24	31.5	1.17	29.7	1.12	28.4
CF1064**Y	1.26	32.0	1.19	30.2	1.14	28.9
Mini-Com® "GFCI" Decora Module Frames						
CFG1, CFG2, CFG4, and CFG6	1.26	32.0	1.18	29.9	1.07	27.1
Executive Series Faceplates						
ECPG**, ECPG**-2G	0.97	24.6	0.90	22.9	0.85	21.6

**Replace ** with color code to designate color. See item tables for colors available.
For complete labeling solutions and additional products refer to www.panduit.com.

Continues on next page

Depth to Rear of Module Reference Guide (continued)

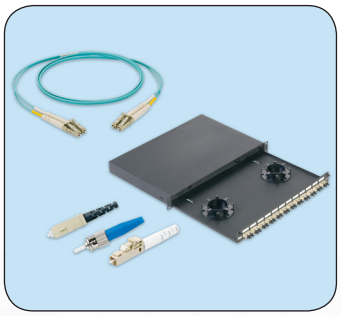
Part Number	All TG Modules		TX Modules		Leadframe Modules	
	In.	mm	In.	mm	In.	mm
Stainless Steel Faceplates including Ultimate ID® Faceplates						
CFP(L)2SY, UICFP2S	1.26	32.0	1.19	30.2	1.14	29.0
CFP(L)4SY, UICFP4S	1.26	32.0	1.19	30.2	1.14	29.0
CFP(L)6SY, UICFP6S	1.26	32.0	1.19	30.2	1.14	29.0
CFP(L)4S-2GY	1.26	32.0	1.19	30.2	1.14	29.0
CFP(L)6S-2GY	1.26	32.0	1.19	30.2	1.14	29.0
CFP(L)8S-2GY	1.26	32.0	1.19	30.2	1.14	29.0
CFP(L)10S-2GY	1.26	32.0	1.19	30.2	1.14	29.0
In-Wall Box Adapter						
MIWBA**	Subtract .22" or 5.6mm from depth to rear of module modular furniture faceplate measurement					
30 degree insert	1.67	42.4	1.67	42.4	1.68	42.7
Mini-Com® Ultimate ID® Classic Series Faceplates						
UICFP2**, UICFP4**, UICFP6**, UICFPH2**, UICFPH4**	1.23	31.2	1.16	29.5	1.11	28.2
Mini-Com® Ultimate ID® Modular Furniture Faceplate						
UICFFP4BL	0.86	21.8	0.79	20.1	0.74	18.8
Mini-Com® Snap-On Modular Furniture Faceplates						
CFFPL4**, CFFP4**	1.10	27.9	1.01	25.7	0.96	24.4
CFFPA2**	0.86	21.8	0.77	19.6	0.60	15.2
MFFPE**	Subtract .50" or 12.7mm from depth to rear of module modular furniture faceplate measurement					
CFFPHM4**	1.09	27.7	1.01	25.7	0.96	24.4
CFFPEBSL4**	0.49	12.4	0.49	12.4	0.44	11.2
CFFPLA**	0.90	22.9	0.73	18.5	0.72	18.2
CFFPE3**	0.49	12.4	0.41	10.4	0.39	9.8
CFFPKE3**	0.25	6.3	0.15	3.7	0.14	3.6
Round Faceplates						
CRFPA2**	1.49	37.8	1.42	36.1	1.37	34.8
CFFPR1**-X	1.50	38.1	1.43	36.3	1.38	35.1
Mini-Com® Ultimate ID® Executive Series Faceplates						
UICFPSE2**	0.73	18.5	0.55	14.0	0.55	14.0
UICFPSE4**, UICFPSE6**	0.73	18.5	0.55	14.0	0.55	14.0
UICFPHSE2**	0.73	18.5	0.55	14.0	0.55	14.0
UICFPHSE4**, UICFPSE8**-2G	0.73	18.5	0.55	14.0	0.55	14.0
Mini-Com® Ultimate ID® Tamper Resistant Faceplate						
UICFPRTR4						
Flat	1.50	38.1	1.43	36.3	1.38	35.1
Sloped	1.22	31.0	1.04	26.4	0.79	20.1
Recessed	1.62	41.1	1.62	41.1	1.59	40.4
30 degree insert	1.67	42.4	1.67	42.4	1.68	42.7
Mini-Com® Ultimate ID® Classic Series Faceplates						
ICFP2**, UICFP4**, UICFP6**, UICFPH2**, UICFPH4**	1.23	31.2	1.16	29.5	1.11	28.2
Mini-Com® Ultimate ID® Modular Furniture Faceplate						
UICFFP4BL	0.86	21.8	0.79	20.1	0.74	18.8
Keystone Phone Plate with Keystone Module						
KWP5EY and KWP6PY	—	—	1.00	25.4	—	—

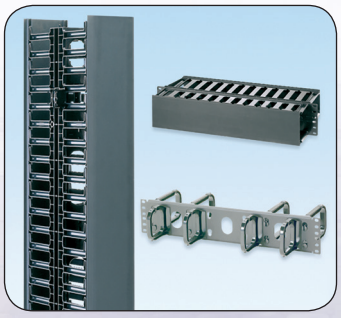
**Replace ** with color code to designate color. See item tables for colors available.
For complete labeling solutions and additional products refer to www.panduit.com.

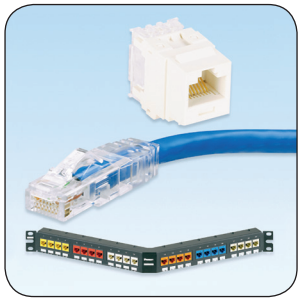
Order number of pieces required, in multiples of Standard Package Quantity.

Keystone Cabling System

The Keystone Copper and Fiber Cabling System provides a complete component and standards compliant cabling infrastructure solution for voice, data and video applications.
Keystone modules feature the universal “keystone” design and are compatible with a wide assortment of modular patch panels, faceplates, and surface mount boxes. When combined with complementary Panduit products, NetKey® connectivity provides solutions from the telecommunication room to the work area with proven innovation and quality.







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NetKey® Category 6A, 6 and 5e Jack Modules

- Meet all industry performance standards for Category 6A, 6 and 5e
- Punchdown jack modules are 100% performance tested and individually serialized for future traceability
- Keystone punchdown jacks meet ANSI/TIA 568-C.2 and ISO 11801 component requirements
- Snap in and out of keystone openings for easy moves, adds and changes
- Universal label includes T568A and T568B wiring schemes

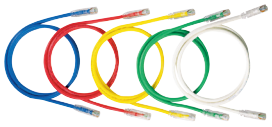
NK6X88MIW
NK688MIW
NKP5E88MIW

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
NetKey® Category 6A UTP Jack Modules*				
NK6X88MIW	Category 6A, component compliant, 8-position, 8-wire keystone punchdown jack module.	Off White	1	50
NK6X88MIW-Q	Convenience pack of 25, Category 6A, component compliant, 8-position, 8-wire keystone punchdown jack modules.	Off White	25	250
NetKey® Category 6 UTP Jack Modules				
NK688MIW	Category 6, component compliant, 8-position, 8-wire, keystone punchdown jack module.	Off White	1	50
NK688MIW-Q	Convenience pack of 25, Category 6, component compliant, 8-position, 8-wire, keystone punchdown jack modules.	Off White	25	250
NetKey® Category 5e UTP Jack Modules*				
NKP5E88MIW	Category 5e, component compliant, 8-position, 8-wire, keystone punchdown jack module.	Off White	1	50
NKP5E88MIW-Q	Convenience pack of 25, Category 5e, component compliant, 8-position, 8-wire, keystone punchdown jack modules.	Off White	25	250

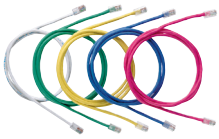
*For standard colors other than IW (Off White), replace IW in part number with EI (Electric Ivory), IG (International Gray), WH (White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet).

NetKey® Copper UTP Patch Cords

- Meet all industry performance standards for Category 6A, 6 and 5e
- 100% performance tested
- Available in a variety of colors and lengths for design flexibility



NK6APC^*
NK6PC^*Y



NK5EPC^*Y

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Category 6A UTP Patch Cord			
NK6APC^*	Category 6A, UTP patch cord with modular plugs on each end.	1	10
Category 6 UTP Patch Cord			
NK6PC^*Y	Category 6, UTP patch cord with modular plugs on each end.	1	10
Category 5e UTP Patch Cord			
NK5EPC^*Y	Category 5e, UTP patch cord with modular plugs on each end.	1	10

^Available in 3, 5, 7, 10, 14 and 20-foot lengths.
*For standard colors other than Off White, add suffix BU (Blue), RD (Red), YL (Yellow) or GR (Green) before Y in the part number. For example, the part number of a blue, Category 6, 5-foot patch cord is NK6PC5BUY.

Order number of pieces required, in multiples of Standard Package Quantity.

NetKey® Keystone Patch Panels

- Mount to standard ANSI/TIA 19" racks
- Punchdown patch panels meet all industry performance standards for Category 6A, 6 and 5e
- Modular patch panels accept all NetKey® Modules
- Optional angled versions available for high density installations
- Optional strain relief bars assist in cable management and bend radius control
- Not compatible with Mini-Com® Jacks and Modules

NK6XPPG24Y

NKA6XPPG24Y

NK6PPG12WY
NK5EPPG12WY

NKFP12W

NKFP24Y

NKFP48Y

NKPPA48FMY

WB89D

SRB19BLY

SRBM19BLY

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Punchdown Patch Panels* – Category 6A			
NKA6XPPG24Y	Category 6A angled punchdown patch panel, 24 port, 1 RU.	1	10
NKA6XPPG48Y	Category 6A angled punchdown patch panel, 48 port, 2 RU.	1	10
NK6XPPG24Y	Category 6A punchdown patch panel, 24 port, 1 RU.	1	10
NK6XPPG48Y	Category 6A punchdown patch panel, 48 port, 2 RU.	1	10
Punchdown Patch Panels – Category 6			
NK6PPG12WY	Category 6, 12-port punchdown patch panel. Mounts to wall with standard 89D bracket (WB89D).	1	10
NKA6PPG24Y	Category 6, 24-port, angled punchdown patch panel, 1 RU.	1	10
NKA6PPG48Y	Category 6, 48-port, angled punchdown patch panel, 2 RU.	1	10
NK6PPG24Y	Category 6, 24-port, punchdown patch panel, 1 RU.	1	10
NK6PPG48Y	Category 6, 48-port, punchdown patch panel, 2 RU.	1	10
Punchdown Patch Panels – Category 5e			
NK5EPPG12WY	Category 5e, 12-port punchdown patch panel. Mounts to wall with standard 89D bracket (WB89D).	1	10
NKA5EPPG24Y	Category 5e, 24-port, angled punchdown patch panel, 1 RU.	1	10
NKA5EPPG48Y	Category 5e, 48-port, angled punchdown patch panel, 2 RU.	1	10
NK5EPPG24Y	Category 5e, 24-port, punchdown patch panel, 1 RU.	1	10
NK5EPPG48Y	Category 5e, 48-port, punchdown patch panel, 2 RU.	1	10
Modular Patch Panels			
NKFP12W	12-port modular patch panel with front removable faceplate. Mounts to wall with standard 89D bracket (WB89D).	1	10
NKFP24Y	24-port modular patch panel with front removable faceplate, 1 RU.	1	10
NKFP48Y	48-port modular patch panel with front removable faceplate, 2 RU.	1	10
NKPPA24FMY	24-port flush mount angled modular patch panel, 1 RU.	1	10
NKPPA48FMY	48-port flush mount angled modular patch panel, 2 RU.	1	10
NKPP24FMY	24-port flush mount modular patch panel, 1 RU.	1	10
NKPP48FMY	48-port flush mount modular patch panel, 2 RU.	1	10
Wall Mount Bracket			
WB89D	Wall mount bracket. Ideal for use with 12-port punchdown or modular patch panels.	1	10
Strain Relief Bars			
SRB19BLY	Strain relief bar extends 2" from standard 19" rack for additional cable support.	1	10
SRBM19BLY	Strain relief bar and Tak-Ty® Hook & Loop Cable Ties for additional cable support.	1	10
SRBS19BL-XY	Straight strain relief bar.	10	—

*Punchdown patch panels are color-coded for T568A and T568B wiring schemes.

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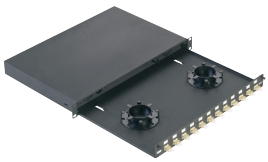
NetKey® Fiber Enclosures

- Factory configured with 6 or 12 duplex LC or SC adapters for fast and easy cabling and installation
- Slide-out drawer slides forward a full 300mm for service access to all fiber terminations, connections, and/or splices
- Supports both field termination via pot-and-polish using Panduit® Connectors, or fusion splicing with appropriate slack storage and cable management provisions
- Simple two-piece, all-metal body construction for easy and economical installation with no loose components to misplace; improved protection over plastic fiber drawers



NKFD1W12EIDLC

Part Number	Part Description	Std. Pkg. Qty.
LC Enclosures		
NKFD1W12EIDLC	Pre-loaded fiber drawer with 12 LC duplex adapters for 62.5/125µm (OM1) multimode fiber.	1
NKFD1W24EIDLC	Pre-loaded fiber drawer with 24 LC duplex adapters for 62.5/125µm (OM1) multimode fiber.	1
NKFD1W12BLDLC	Pre-loaded fiber drawer with 12 LC duplex adapters for 50/125µm (OM2) multimode fiber.	1
NKFD1W24BLDLC	Pre-loaded fiber drawer with 24 LC duplex adapters for 50/125µm (OM2) multimode fiber.	1
NKFD1W12AQDLC	Pre-loaded fiber drawer with 12 LC duplex adapters for 50/125µm (OM3/OM4) multimode fiber.	1
NKFD1W24AQDLC	Pre-loaded fiber drawer with 24 LC duplex adapters for 50/125µm (OM3/OM4) multimode fiber.	1
NKFD1W12BUDLCZ	Pre-loaded fiber drawer with 12 LC duplex adapters for 9/125µm (OS2) multimode fiber.	1
NKFD1W24BUDLCZ	Pre-loaded fiber drawer with 24 LC duplex adapters for 9/125µm (OS2) multimode fiber.	1
SC Enclosures		
NKFD1W6EIDSC	Pre-loaded fiber drawer with 6 SC duplex adapters for 62.5/125µm (OM1) multimode fiber.	1
NKFD1W12EIDSC	Pre-loaded fiber drawer with 12 SC duplex adapters for 62.5/125µm (OM1) multimode fiber.	1
NKFD1W6BLDSC	Pre-loaded fiber drawer with 6 SC duplex adapters for 50/125µm (OM2) multimode fiber.	1
NKFD1W12BLDSC	Pre-loaded fiber drawer with 12 SC duplex adapters for 50/125µm (OM2) multimode fiber.	1
NKFD1W6AQDSC	Pre-loaded fiber drawer with 6 SC duplex adapters for 50/125µm (OM3/OM4) multimode fiber.	1
NKFD1W12AQDSC	Pre-loaded fiber drawer with 12 SC duplex adapters for 50/125µm (OM3/OM4) multimode fiber.	1
NKFD1W6BUDSCZ	Pre-loaded fiber drawer with 6 SC duplex adapters for 9/125µm (OS1/OS2) multimode fiber.	1
NKFD1W12BUDSCZ	Pre-loaded fiber drawer with 12 SC duplex adapters for 9/125µm (OS1/OS2) multimode fiber.	1

NetKey® Keystone Fiber Optic Adapters

NKDLCMIW

NKSCMZIW

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
LC Adapters				
NKDLCMIW	Keystone module supplied with one LC Sr./Jr. SFF multimode duplex adapter with phosphor bronze split sleeves.	Off White	1	10
NKDLCMZIW	Keystone module supplied with one LC Sr./Jr. SFF singlemode duplex adapter with zirconia ceramic split sleeves.	Off White	1	10
SC Adapters				
NKSCMIW	Keystone module supplied with one SC multimode simplex adapter with phosphor bronze split sleeve.	Off White	1	10
NKSCMZIW	Keystone module supplied with one SC singlemode simplex adapter with zirconia ceramic split sleeve.	Off White	1	10

For standard colors other than IW (Off White), replace IW in part number with BL (Black), EI (Electric Ivory), IG (International Gray) or WH (White).

Order number of pieces required, in multiples of Standard Package Quantity.

NetKey® Fiber Optic Patch Cords and Pigtails

- Compliant with ANSI/TIA 568-C.3-1 and ISO/IEC 11801, TIA-604-5 (FOCIS-5), and UL 1666 (OFNR) flame rating
- Patch cords and pigtails include OM3 fiber or OM1, OM2, or OS1 fiber in 900µm tight-buffered fiber, 1.6mm or 3.0mm duplex zipcord jacketed cable or 1.8mm duplex zipcord jacketed cable
- 100% performance tested assures that patch cords and pigtails are standard compliant, Riser rated jacket meets UL 1666 (OFNR) flame rating for standard complaint safety
- Q.C. identification label quality control reference provides lifetime traceability of test data

ST to ST Patch Cord

SC to SC Patch Cord

LC to LC Patch Cord

SC to LC Patch Cord

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ST to ST Patch Cords			
NKFP623R22SM001	OM1 2-Fiber 3.0mm Riser Jacket Patch Cord ST to ST – 1 meter.	1	25
NKFP523R22SM001	OM2 2-Fiber 3.0mm Riser Jacket Patch Cord ST to ST – 1 meter.	1	25
NKFPX23R22SM001	OM3 2-Fiber 3.0mm Riser Jacket Patch Cord ST to ST – 1 meter.	1	25
NKFP923R22SM001	OS2 2-Fiber 3.0mm Riser Jacket Patch Cord ST to ST – 1 meter.	1	25
SC to SC Patch Cords			
NKFP623RSSSM001	OM1 2-Fiber 3.0mm Riser Jacket Patch Cord SC Duplex to SC Duplex – 1 meter.	1	25
NKFP523RSSSM001	OM2 2-Fiber 3.0mm Riser Jacket Patch Cord SC Duplex to SC Duplex – 1 meter.	1	25
NKFPX23RSSSM001	OM3 2-Fiber 3.0mm Riser Jacket Patch Cord SC Duplex to SC Duplex – 1 meter.	1	25
NKFP923RSSSM001	OS2 2-Fiber 3.0mm Riser Jacket Patch Cord SC Duplex to SC Duplex – 1 meter.	1	25
LC to LC Patch Cords			
NKFP62ERLLSM001	OM1 2-Fiber 1.6mm Riser Jacket Patch Cord LC Duplex to LC Duplex – 1 meter.	1	50
NKFP52ERLLSM001	NK OM2 2-Fiber 1.6mm Riser Jacket Patch Cord LC Duplex to LC Duplex – 1 meter.	1	50
NKFPX2ERLLSM001	NK OM3 2-Fiber 1.6mm Riser Jacket Patch Cord LC Duplex to LC Duplex – 1 meter.	1	50
NKFP92ERLLSM001	NK OS2 2-Fiber 1.6mm Riser Jacket Patch Cord LC Duplex to LC Duplex – 1 meter.	1	50
SC to LC Patch Cords			
NKFP62ERLSSM001	OM1 2-Fiber 1.6mm Riser Jacket Patch Cord SC to LC – 1 meter.	1	50
NKFP52ERLSSM001	OM2 2-Fiber 1.6mm Riser Jacket Patch Cord SC to LC – 1 meter.	1	50
NKFPX2ERLSSM001	OM3 2-Fiber 1.6mm Riser Jacket Patch Cord SC to LC – 1 meter.	1	50
NKFP92ERLSSM001	OS2 2-Fiber 1.6mm Riser Jacket Patch Cord SC to LC – 1 meter.	1	50

For standard lengths other than 1 meter, change the length designation to the desired length. Standard lengths available in 1-15 meters and 20-50 meters in 5 meter increments. For example, the part number for a 2 meter LC to LC, OM3, duplex patch cord is NKFPX2ERLLSM002.

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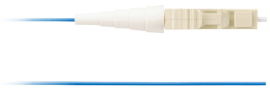
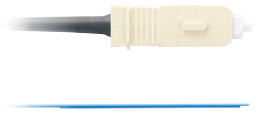
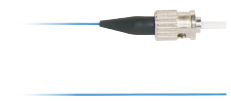
NetKey® Fiber Optic Patch Cords and Pigtails (continued)



LC to Pigtail



SC to Pigtail



ST to Pigtail

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
LC Pigtails			
NKFP61BN1NNM001	OM1 1-Fiber 900µm Buffered Pigtail LC – 1 Meter.	1	50
NKFP51BN1NNM001	OM2 1-Fiber 900µm Buffered Pigtail LC – 1 Meter.	1	50
NKFPX1BN1NNM001	OM3 1-Fiber 900µm Buffered Pigtail LC – 1 Meter.	1	50
NKFP91BN1NNM001	OS2 1-Fiber 900µm Buffered Pigtail LC – 1 Meter.	1	50
SC Pigtail			
NKFP61BN3NNM001	OM1 1-Fiber 900µm Buffered Pigtail SC – 1 Meter.	1	50
NKFP51BN3NNM001	OM2 1-Fiber 900µm Buffered Pigtail SC – 1 Meter.	1	50
NKFPX1BN3NNM001	OM3 1-Fiber 900µm Buffered Pigtail SC – 1 Meter.	1	50
NKFP91BN3NNM001	OS2 1-Fiber 900µm Buffered Pigtail SC – 1 Meter.	1	50
ST Pigtail			
NKFP61BN2NNM001	OM1 1-Fiber 900µm Buffered Pigtail ST – 1 Meter.	1	50
NKFP51BN2NNM001	OM2 1-Fiber 900µm Buffered Pigtail ST – 1 Meter.	1	50
NKFPX1BN2NNM001	OM3 1-Fiber 900µm Buffered Pigtail ST – 1 Meter.	1	50
NKFP91BN2NNM001	OS2 1-Fiber 900µm Buffered Pigtail ST – 1 Meter.	1	50

Order number of pieces required, in multiples of Standard Package Quantity.

NetKey® Keystone Faceplates

- Accept all NetKey® Modules
- Available in a variety of port densities
- Optional labels for easy port identification
- Not compatible with Mini-Com® Jacks and Modules

NK2FNIW

NK2FIWY

NK2HSFIWY

NK4VSFIWY

NKF2S

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
Flush Mount Screw-On Faceplates				
NK*FNIW	Single gang, flush mount vertical faceplate.	—	1	10
NK**FIWY	Single or double gang, flush mount vertical faceplate with labels.	—	1	10
NK^HSFIWY	Single gang, sloped, horizontal faceplate with labels.	—	1	10
NK4VSF	Single gang, 4-port, sloped, vertical faceplate with labels.	Off White	1	10
Stainless Steel Faceplates				
NKF^^S	Single gang, stainless steel, vertical faceplate with labels.	—	1	10

*Available in 1, 2, 3 and 4-port density configurations.
**Available in single gang 1, 2, 4, and 6-port density configurations and 8 or 12-port double gang port density configurations.
^Available in 2 or 4-port density configurations.
^^Available in 2, 4 or 6-port density configurations. When mounting, opening should be a minimum of 2" wide.
‡For standard colors other than IW (Off White), replace suffix with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black). NK2HSF**Y and NK4HSF**Y not available in BL (Black).

Pan-Way® NetKey® Snap-On Sloped Keystone Faceplates

- Accept all Panduit® NetKey® Keystone Copper Modules and Duplex Fiber Optic Modules
- Snap into raceway channel, requires no additional mounting hardware or adapters – greatly reducing installation time
- Lowest cost for moves, adds, and changes
- Tamper resistant
- Can be used with Pan-Way® Cove, TG-70, T70, Twin-70, T-45 Raceway Systems, Fast-Snap™ Outlet Boxes, and Pan-Pole™ Aluminum Outlet Poles

NK2HSRF

NK4HSRF

NK4VSRF

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
NK2HSRFIW	Snap-On 2-position sloped horizontal faceplate accepts any Panduit® NetKey® Module. Compatible with Panduit® NetKey® Outlet Boxes, Surface Raceway Systems, and Pan-Pole™ Outlet Poles.	Off White	1	10
NK4HSRFIW	Snap-On 4-position sloped horizontal faceplate accepts any Panduit® NetKey® Module. Compatible with Panduit® NetKey® Outlet Boxes, Surface Raceway Systems, and Pan-Pole™ Outlet Poles.	Off White	1	10
NK4VSRFIW	Snap-On 4-position sloped vertical faceplate accepts any Panduit® NetKey® Module. Compatible with Panduit® NetKey® Outlet Boxes, Surface Raceway Systems, and Pan-Pole™ Outlet Poles.	Off White	1	10

Panduit® NetKey® faceplates are NOT compatible with Panduit® Mini-Com® Modules.
‡For other colors replace IW (Off White) with EI (Electric Ivory), IG (International Gray), or WH (White).
For complete labeling solutions refer to www.panduit.com.

Pan-Way® NetKey® Snap-On Flush Universal Keystone Faceplates

- Wider module spacing to accept common manufacturers' keystone modules .900 inches wide or less
- Can be used with Pan-Way® Cove, TG-70, T70, Twin-70, T-45 Raceway Systems, Fast-Snap™ Outlet Boxes, and Pan-Pole™ Aluminum Outlet Poles

T70KW2 T70KW4

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70KW2IW	Snap-On 2-position flush mount faceplate accepts any Panduit® NetKey® Module and most other manufacturers' keystone modules. Compatible with Panduit® Fast-Snap™ Outlet Boxes, Surface Raceway Systems, and Pan-Pole™ Outlet Poles.	Off White	1	10
T70KW4IW	Snap-On 4-position flush mount faceplate accepts any Panduit® NetKey® Module and most other manufacturers' keystone modules. Compatible with Panduit® Fast-Snap™ Outlet Boxes, Surface Raceway Systems, and Pan-Pole™ Outlet Poles.	Off White	1	10

Panduit® NetKey® faceplates are NOT compatible with Panduit® Mini-Com® Modules.
‡For other colors replace IW (Off White) in part number with EI (Electric Ivory), IG (International Gray), or WH (White).
For complete labeling solutions refer to www.panduit.com.

NetKey® Keystone Modular Inserts and Adapter

- Inserts and faceplate frames enable design flexibility
- Accept all NetKey® Modules
- Available in a variety of port densities and orientation
- Optional labels for easy port identification
- Use with CB** on page D.5

NKHS2IW-X NKHS2SIW-X

NKHF2MIW-X CHB2MIW-X

NKBTA1IW-X

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
Modular Inserts				
NKHS2IW-X	1/2 size, sloped modular insert. Accepts two NetKey® Modules.	Off White	10	50
NKHS2SIW-X	1/2 size, sloped, shuttered, modular insert. Accepts two NetKey® Modules.	Off White	10	50
NKHF2MIW-X	1/3 size flat modular insert. Accepts two NetKey® Modules.	Off White	10	50
CHB2MIW-X	1/3 blank modular insert reserves space for future use.	Off White	10	50
Adapter				
NKBTA1IW-X	Adapter accepts one NetKey® Module, for Bticino*** Light series faceplates.	Off White	10	50

‡For standard colors other than IW (Off White), replace IW in part number with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black). Audio/Video inserts found on page E.10.
***Bticino is a registered trademark of Bticino S.P.A. of Italy.

Order number of pieces required, in multiples of Standard Package Quantity.

NetKey® Keystone Module Frames and Furniture Faceplate

NK2106MFIW

NK4106MFIW

NK2RMFIW

NK4RMFIW

NK4MFIW

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
NK2106MFIW	Screw mount “106” duplex module frame. Accepts two NetKey® Modules.	Off White	1	10
NK4106MFIW	Screw mount “106” duplex module frame. Accepts four NetKey® Modules.	Off White	1	10
NK2RMFIW	Screw mount module frame. Accepts two NetKey® Modules. Compatible with standard NEMA outlet boxes and rectangular faceplates.	Off White	1	10
NK4RMFIW	Screw mount module frame. Accepts four NetKey® Modules. Compatible with standard NEMA outlet boxes and rectangular faceplates.	Off White	1	10
NK4MFIW	Snap on modular furniture faceplate. Accepts four NetKey® Modules.	Off White	1	10

‡For standard colors other than Off White, replace IW in part number with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black).

Keystone Phone Plates

KWPY

KWP3Y

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
KWPY	Stainless steel wall phone plate accepts one module.	1	10
KWP3Y	Stainless steel wall phone plate supplied with one Category 3 keystone leadframe module.	1	10

Wall mount faceplate kits compatible with wall mountable phones with short patch cord connections to the jack module.

NetKey® Keystone Surface Mount Boxes

- Accept all NetKey® Modules
- Include mounting screws and adhesive tape
- Compatible with Panduit® LD3, LD5, and LD10 Raceway
- Not compatible with Mini-Com® Jacks and Modules

NK2BXIW-A

NK4BXIW-AY

NK6BXIW-AY

CBM-X

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
NK2BXIW-A	Surface mount box accepts two NetKey® Modules.	Off White	1	10
NK4BXIW-AY	Surface mount box accepts four NetKey® Modules.	Off White	1	10
NK6BXIW-AY	Surface mount box accepts six NetKey® Modules.	Off White	1	10
CBM-X	Optional magnet for mounting on metal surfaces. Compatible with NK2BXIW-A and NK4BXIW-AY.	—	10	100

‡For surface mount box standard colors other than IW (Off White), replace suffix with EI (Electric Ivory), IG (International Gray) or WH (White).

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NetKey® Audio/Video Modules

NKFIW

NKBNCMIWY

NKHDMIIW

NKUSBAAIW

NKBMIW-X

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
F-Type Module				
NKFIW	Keystone module supplied with 75 ohm industry standard F-Type coax bulkhead coupler.	Off White	1	10
50 Ohm BNC Coax Module				
NKBNCMIWY	Keystone module supplied with 50 ohm industry standard coax bulkhead coupler.	Off White	1	10
HDMI Coupler				
NKHDMIIW	Keystone module supplied with one HDMI 1.3 Type A female to female coupler module.	Off White	1	10
USB Coupler				
NKUSBAAIW	Keystone module supplied with one USB 2.0 female A to female A coupler module.	Off White	1	10
Blank Module				
NKBMIW-X	Blank keystone module reserves space for future use.	Off White	1	10

‡For standard colors other than IW (Off White), replace IW in part number with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black). 5-Way Binding Post Module (NKBP^IWY) only available in EI (Electric Ivory) and WH (White).

Audio/Video Inserts

CHR3RGBIW

CHR3WYRIW

CHD9CIWY

CHD15HDCIWY

CHD15HDSCIWY

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
RCA Inserts				
CHR3RGBIW	1/3 insert supplied with three RCA pass-through couplers. Inserts are Red, Green and Blue. Ideal for component video.	Off White	1	10
CHR3WYRIW	1/3 insert supplied with three RCA pass-through couplers. Inserts are White, Yellow and Red. Ideal for composite video or left/right stereo.	Off White	1	10
D-Subminiature Inserts				
CHD9CIWY	1/3 insert supplied with 9-pin female to female coupler.	Off White	1	10
CHD15HDCIWY	1/3 insert supplied with 15-pin female to female coupler. SVGA compatible.	Off White	1	10
CHD15HDSCIWY	1/3 insert supplied with 15-pin HD screw down DB connector mounted to printed circuit board. SVGA compatible.	Off White	1	10

‡For standard colors other than IW (Off White), replace IW in part number with EI (Electric Ivory), WH (White), IG (International Gray) or BL (Black). Faceplate frames available on pages E.7 to E.9.

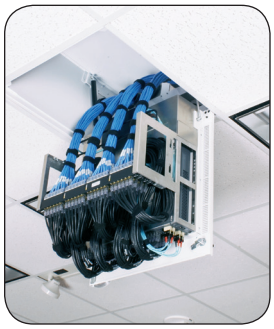
Termination Tool

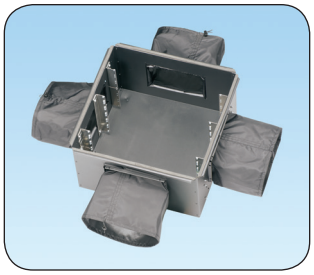
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Punchdown Base			
NKSPB	Base used to assist in terminating keystone punchdown modules.	1	50

Order number of pieces required, in multiples of Standard Package Quantity.

PanZone® Zone Cabling Systems

Panduit provides a complete line of zone cabling products for open office architecture applications, telecommunication enclosures and data centers. Each zone enclosure product serves as a main distribution point for a particular zone.





Advantages of Zone Architecture:

- **Provide accessibility and flexibility to reconfigure offices to meet frequently changing organizational requirements**
- **Provide the ability to make moves, adds, and changes quickly and easily**
- **Reduce network downtime when changes are required**
- **Can solve telecommunication room congestion**
- **Provide a low cost alternative for installations that need to be upgraded or reconfigured**
- **Consolidation points, MuTOA, zone distribution areas, and telecommunication enclosures can be used to create a zone cabling system that is TIA/EIA-568-C, 569-C, and 942 compliant**

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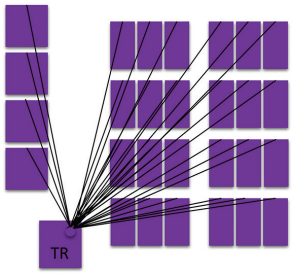
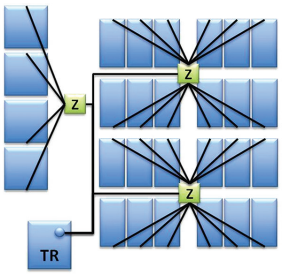


Traditional Cable Deployment

Traditional cable deployment is difficult to manage. Moves, adds and changes can be challenging in this typical cable environment. Longer cable lengths are needed which add to additional cost.



Panduit Zone Cabling System

Panduit Zone Cabling Systems are TIA/EIA-568-C, 569-C, and 942 compliant and provide accessibility and flexibility to reconfigure office space to meet frequent organizational requirements, easily and quickly. They solve telecommunication room congestion and reduce network downtime. Each zone enclosure product serves as a main distribution point for a particular zone.

PanZone® In-Ceiling Enclosures

- Hinged door with integrated 110V exhaust fan and gas assist air cylinders for restraining the load on the ceiling door when opening
- Ceiling tile brackets and cutout template for inserting ceiling tile on the enclosure door
- Thermal management design optimizes air flow for improved heat dissipation; ideal for high heat load network equipment
- Two-tier mounting bracket accommodates two rack spaces of active equipment up to 17.5" deep and three additional rack spaces up to 13.5" deep for improved network design flexibility
- 50 lb. door weight capacity
- Include door plate, equipment mounting bracket, integrated horizontal cable slack manager
- AC power ready – receptacle not included (PZICEA only)
- Includes low decibel 60 CFM fan (PZICEA only)
- Keys for locking latch to secure the ceiling door
- UL 2043 Plenum rated and UL 1863 rated

PZICEA

PZICE

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
PanZone® In-Ceiling Enclosures			
PZICEA	Fully assembled in-ceiling active enclosure. Accepts up to 2 RU of active network equipment and up to 6 RU of passive product. Includes mounting brackets, integrated horizontal slack manager, AC power provisions, fan assembly, air dam, electrical junction box and 20 Hook & Loop Cable Ties for bundling cables. External dimensions: 13.43"H x 23.50"W x 27.23"D (341.1mm x 596.9mm x 691.6mm). Internal dimensions: 12.24"H x 22.28"W x 22.46"D (310.9mm x 565.8mm x 570.5mm).	8	1
PZICE	Fully assembled in-ceiling passive enclosure. Accepts up to 8 RU of standard 19" patch panels. Includes mounting brackets, integrated horizontal slack manager and 20 Hook & Loop Cable Ties for bundling cables. External dimensions: 13.43"H x 23.50"W x 23.50"D (341.1mm x 596.9mm x 596.9mm). Internal dimensions: 12.24"H x 22.28"W x 22.46"D (310.9mm x 565.8mm x 570.5mm).	8	1

^One rack space = 1.75" (44.45mm).
Accessories available refer to www.panduit.com for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

PanZone® Basic In-Ceiling Enclosures

- Holds 2 RU of active equipment and up to 6 RU of patch panels (PZICEAE) or up to 8 RU of patch panels (PZICEE) by minimizing floor space required in telecommunications rooms to relieve congestion
- Hinged door with integrated 110V exhaust fan and folding lid supports
- Thermal management system (PZICEAE) optimizes airflow for improved heat dissipation of higher heat load network equipment
- Two-tier mounting bracket accommodates two rack spaces of active equipment up to 17.5" deep and three additional rack spaces up to 13.5" deep for improved network design flexibility
- 35 lb. door weight capacity
- Four snap bushings that fit around side wall knockouts to protect cables from sharp edges
- UL 2043 Plenum rated and UL 1863 rated

PZICEAE

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
PanZone® Basic In-Ceiling Enclosures			
PZICEAE	Fully assembled in-ceiling active enclosure. Accepts up to 2 RU of active network equipment and up to 6 RU of passive product. Includes mounting brackets, integrated horizontal slack manager, AC power provisions and 20 Hook & Loop Cable Ties for bundling cables. External dimensions: 12.63"H x 23.50"W x 23.50"D (320.9mm x 596.9mm x 596.9mm). Internal dimensions: 11.63"H x 22.36"W x 22.55"D (295.5mm x 568.0mm x 572.7mm).	8	1
PZICEE	Fully assembled in-ceiling passive enclosure. Accepts up to 8 RU of standard 19" patch panels. Includes mounting brackets, integrated horizontal slack manager and 20 Hook & Loop Cable Ties for bundling cables. External dimensions: 12.63"H x 23.50"W x 23.50"D (320.9mm x 596.9mm x 596.9mm). Internal dimensions: 11.63"H x 22.36"W x 22.55"D (295.5mm x 568.0mm x 572.7mm).	8	1

^One rack space = 1.75" (44.45mm).
Accessories available refer to www.panduit.com for additional information.

PanZone® Wall Mount Cabinets

- Holds 12 RU of active and passive network equipment plus two additional RU for power strips and small electronic devices (modems, routers and power strips, etc.)
- Thermal management design (vents, perforated doors, and optional fan) optimizes air flow for improved heat dissipation
- Installed as hinged right or hinged left
- Conduit and wireless access point antenna knockouts provided
- Rear hinging access manages the back of the cabinet
- Accessories include horizontal slack manager, bend radius posts, rear equipment rail kit and exhaust fan
- Working load rating of 250 lbs.
- Adjustable rails mount at 1" increments to accommodate various depths of network equipment including PoE switches
- Individual rack spaces are identified for ease of equipment mounting

PZC12S

PZC12P

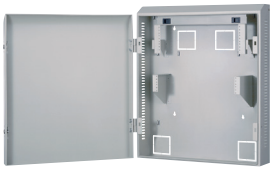
PZC12W

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
PanZone® Wall Mount Cabinets			
PZC12S	Wall mount cabinet with a solid front door; black. Dimensions: 25.81"H x 25.00"W x 22.85"D (655.6mm x 635.0mm x 580.4mm).	12	1
PZC12P	Wall mount cabinet with perforated front door; black. Dimensions: 25.81"H x 25.00"W x 22.85"D (655.6mm x 635.0mm x 580.4mm).	12	1
PZC12W	Wall mount cabinet with windowed front door; black. Dimensions: 25.81"H x 25.00"W x 22.85"D (655.6mm x 635.0mm x 580.4mm).	12	1

^One rack space = 1.75" (44.45mm).
Accessories available refer to www.panduit.com for additional information.

PanZone® Active Wall Mount Enclosure

- Holds up to 3 RU of passive product and up to 3 RU of active equipment
- Patch panel bracket rotates 90° and accepts 19" rack mountable product allowing easy installation
- Provides multiple cable entry/exit points via knockouts
- Grounding studs located on both the door and enclosure to protect network equipment
- Door can be assembled to hinge on either the right or left side providing flexibility and easy access for any mounting location
- Front cover features standard padlock; optional keyed locks available
- Vented design and optional fan provides thermal management for switches and power supplies



Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
PanZone® Active Wall Mount Enclosure			
PZAEWM3	Active wall mount enclosure includes mounting template for quick installation; gray finish. Dimensions: 38.50"H x 27.92"W x 8.61"D (977.9mm x 709.2mm x 218.7mm).	6	1

^One rack space = 1.75" (44.45mm).
Accessories available refer to www.panduit.com for additional information.

PanZone® Building Automation Systems Enclosure

- Integrates data communications and Building Automation Systems (BAS) by converging the infrastructure into a single ethernet network
- Minimizes installation costs by consolidating BAS equipment into a single enclosure
- Eliminates redundant cable runs
- Provides optimal cable routing and management of patch cords and electrical components
- Vented design and optional fan provides thermal management for network equipment and power supplies

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
PZBASE3	Building automation systems enclosure. Includes perforated panel 32.00"H x 22.50"W (812.8mm x 571.5mm) for mounting BAS devices (Active equipment and cabling not included). Dimensions: 48.50"H x 35.00"W x 8.60"D (1231.9mm x 889.0mm x 218.4mm).	3	1

All product color is white.
^One rack space = 1.75" (44.45mm).
Accessories available refer to www.panduit.com for additional information.

Consolidation Point Boxes

- Suitable for wall mount and underfloor applications
- UL 2043 approved for use in air-handling spaces for copper applications
- Accept Mini-Com® Modules for STP and UTP, fiber optic, and audio/video, which snap in and out for easy moves, adds, and changes

CUFMB24BL

CUFB48BL

Part Number	Part Description	Std. Pkg. Qty.
CUFMB24BL	24-port underfloor consolidation point box includes pre-printed numbered labels with writable surface on back when pre-numbered labels are not applicable. Dimensions: 1.69"H x 10.85"W x 10.67"L (42.9mm x 275.6mm x 271.0mm).	1
CUFB48BL	48-port underfloor consolidation point box. Dimensions: 1.63"H x 10.00"W x 14.88"L (41.4mm x 254.0mm x 378.0mm).	1
CUFMB12D4PBL	Under floor consolidation point box with 12 data and 4 power ports, accepts Mini-Com® Modules, with removable grommet plate. Dimensions: 1.63"H x 10.66"W x 10.18"L (41.5mm x 270.8mm x 258.6mm).	1

Optional fiber conversion kit available refer to www.panduit.com for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

PanZone® Work Area Raised Floor Consolidation Point Enclosure

- Mount in 10.5" x 10.5" cutout in one raised floor tile; tested to 2000 lbs. per square inch to support furniture
- Include CoolBoot® Raised Floor Air Sealing Grommet
- Include built-in 48-port Mini-Com® Modular Panel; accept all Mini-Com® Modules for quick moves, adds, and changes
- Accept field terminated or pre-terminated connectivity solutions
- Secure lockable cover
- UL 2043 rated for use in plenum spaces
- In-floor design allows access to the patch field within the local work area without removing floor tiles

Part Number	Part Description	Std. Pkg. Qty.
ACE48	Fully assembled office raised floor consolidation point enclosure mounts in 10.5" x 10.5" cutout in one raised floor tile; black finish. Support 48 copper cables or up to 96 fiber cables, accepts Mini-Com® Modules. Dimensions: 12.37"H x 12.45"W x 7.88"D (314mm x 316mm x 200mm).	1

PanZone® Overhead Distribution Racks

- Ideal solution for adding more rack spaces above racks or cabinets in data centers or telecommunication rooms
- Universal mounting bracket can be mounted to most industry ladder racks, wire basket, or suspended by threaded rod from ceiling
- 40/60/80 lbs. load rating
- Cable management accessories available

PZLRB6U

PZLRB4P4

Part Number	Part Description	No. of Rack Spaces	Std. Pkg. Qty.
PZLRB2U	2 RU ladder rack bracket. Bracket fits Wyr-Grid® Overhead Cable Tray. Dimensions: 8.75"H x 20.26"W x 3.26"D (222.3mm x 514.6mm x 82.8mm).	2	1
PZLRB4U	4 RU ladder rack bracket. Bracket fits Wyr-Grid® Overhead Cable Tray. Dimensions: 12.25"H x 20.26"W x 3.26"D (311.2mm x 514.6mm x 82.8mm).	4	1
PZLRB6U	6 RU ladder rack bracket. Bracket fits Wyr-Grid® Overhead Cable Tray. Dimensions: 15.75"H x 20.26"W x 3.26"D (400.1mm x 514.6mm x 82.8mm).	6	1
4 Post Overhead Distribution Racks			
PZLRB4P4	4 RU overhead 4-post rack. Dimensions: 10.8'H x 20.3"W x 34.0"D (274mm x 515mm x 864mm).	4	1
PZLRB4P6	6 RU overhead 4-post rack. Dimensions: 14.3'H x 20.3"W x 34.0"D (363mm x 515mm x 864mm).	6	1

One rack space = 1.75" (44.45mm).

PanZone® Raised Floor Enclosures

- Work with standard office raised floor tiles; saves valuable real estate in the data center by allowing cable terminations below raised floors, relieves congestion in racks and cabinets
- Include CoolBoot® Raised Floor Air Sealing Grommet for quick moves, adds, and changes
- Adjustable TIA/EIA 19" mounting brackets can be rotated and/or adjusted for greater network design flexibility and improve access to patch panels
- Secure lockable cover
- Compatible with 7/8" square, 1" diameter, 1 1/2" diameter, and 2" diameter raised floor pedestals
- UL 2043 for use in plenum spaces
- Single tile drop-in design reduces installation time by as much as 50% compared to similar solutions on the market
- Enclosure installation creates a mechanical electrical bond to raised floor pedestals without the need for extra components; protects network equipment and personnel

PZRFE4U

PZRFE8U

PZRFE12U

PZRFC

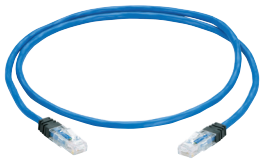
Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
PZRFE4U	Fully assembled raised floor enclosure requires 6" minimum raised floor depth; black finish. Accepts standard patch panels or QuickNet™ Pre-Terminated Assemblies or Cassettes. UL 2043 for use in plenum spaces. Dimensions: 22.62"H x 22.62"W x 5.0"D (575mm x 575mm x 127mm).	4	1
PZRFE8U	Fully assembled raised floor enclosure requires 9.5" minimum raised floor depth; black finish. Accepts standard patch panels or QuickNet™ Pre-Terminated Assemblies or Cassettes. UL 2043 for use in plenum spaces. Dimensions: 22.62"H x 22.62"W x 8.5"D (575mm x 575mm x 216mm).	8	1
PZRFE12U	Fully assembled raised floor enclosure requires 13" minimum raised floor depth; black finish. Accepts standard patch panels or QuickNet™ Pre-Terminated Assemblies or Cassettes. UL 2043 for use in plenum spaces. Dimensions: 22.6"H x 22.6"W x 12.0"D (575mm x 575mm x 305mm).	12	1
PZRFC	Lockable cover for PanZone® Raised Floor Enclosures, includes two keys. Dimensions: 24.0"H x 24.0"W x .75"D (610mm x 610mm x 19.05mm).	—	1

^One rack space = 1.75" (44.45mm).

Order number of pieces required, in multiples of Standard Package Quantity.

PanZone® Cable Assemblies

- Exceed ANSI/TIA-568-C.2 and ISO 11801 standards for permanent link performance
- Supports IEEE 802.3af, 802.3at, and the proposed 802.3bt type 3 and 4 for PoE applications up to 100 W
- PanZone® Category 6 and Category 6A Cable Assemblies for use in zone cabling applications
- Available in plug to jack module and plug to plug configurations
- Available in plenum or riser
- T568B wired
- 100% performance tested to permanent link limits



Plug to Plug Shielded Cable Assembly

Jack to Plug UTP Cable Assembly

Part Number	Part Description	Length (Ft.)‡	Cable Type	Cable Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Plug to Plug Cable Assemblies Category 6A Shielded						
SAPPBU10	Category 6A, FTP, solid, plenum cable with TX6A™ Shielded Modular Plugs on each end.	10	UTP Solid Plenum	Blue	1	10
SAPRBU10	Category 6A, FTP, solid, riser cable with TX6A™ Shielded Modular Plugs on each end.	10	FTP Solid Riser	Blue	1	10
Category 6A UTP						
UZPPBU10	Category 6A, UTP, solid, plenum cable with TX6A™ Modular Plugs on each end.	10	UTP Solid Plenum	Blue	1	10
UZPRBU10	Category 6A, UTP, solid, riser cable with TX6A™ Modular Plugs on each end.	10	UTP Solid Riser	Blue	1	10
Category 6 UTP						
UPPBU10	Category 6, UTP, solid, plenum, cable with TX6™ PLUS Modular Plugs on each end.	10	UTP Solid Plenum	Blue	1	10
UPRBU10	Category 6, UTP, solid, riser cable with TX6™ PLUS Modular Plugs on each end.	10	UTP Solid Riser	Blue	1	10
Jack to Plug Cable Assemblies Category 6A Shielded						
SAJPBU10BL	Category 6A, FTP, solid, plenum cable with a TX6A™ Shielded Modular Plug on one end and a black Mini-Com® TX6A™ Shielded Jack Module on the other.	10	UTP Solid Plenum	Blue	1	10
SAJRBU10BL	Category 6A, FTP, solid, riser cable with a TX6A™ Shielded Modular Plug on one end and a black Mini-Com® TX6A™ Shielded Jack Module on the other.	10	FTP Solid Riser	Blue	1	10
Category 6A UTP						
UZJPBU10BL	Category 6A, UTP, solid, plenum cable with a TX6A™ Modular Plug on one end and a black Mini-Com® TX6A™ Jack Module on the other.	10	UTP Solid Plenum	Blue	1	10
UZJRBU10BL	Category 6A, UTP, solid, riser cable with a TX6A™ Modular Plug on one end and a black Mini-Com® TX6A™ Jack Module on the other.	10	UTP Solid Riser	Blue	1	10
Category 6 UTP						
UJPBU10BL	Category 6, UTP, solid, plenum cable with a TX6™ PLUS Modular Plug on one end and a black Mini-Com® TX6™ PLUS Jack Module on the other.	10	UTP Solid Plenum	Blue	1	10
UJRBU10BL	Category 6, UTP, solid, riser cable with a TX6™ PLUS Modular Plug on one end and a black Mini-Com® TX6™ PLUS Jack Module on the other.	10	UTP Solid Riser	Blue	1	10

TX6A™ Shielded Patch Cords, found on page B.14, can be used as plug to plug cable assemblies.
‡For lengths 10 to 100 feet (five foot increments) and 110, 120, 130, 140, 150 feet change the length designation in the part number to the desired length. For example, the part number for a 100 foot, plug to plug, Category 6A, shielded, riser cable assembly is SAPRBU100.

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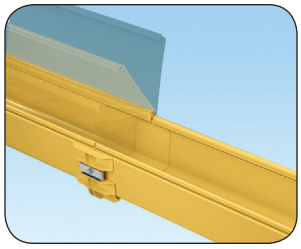
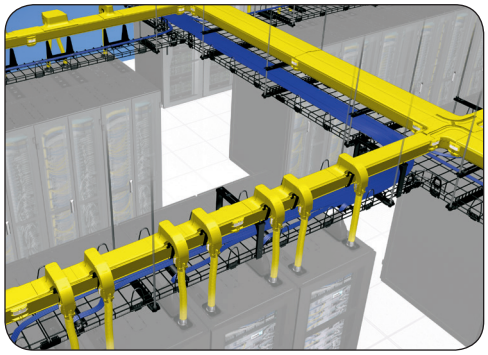
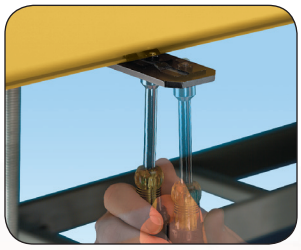
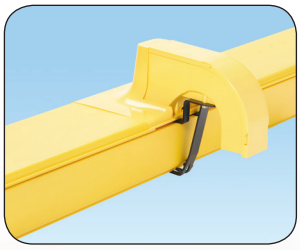
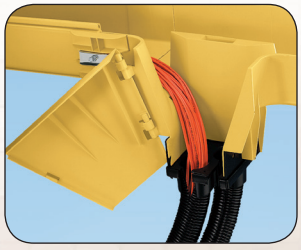
FiberRunner® Routing Systems











Panduit provides innovative solutions for routing fiber optic and high performance copper cabling to and between equipment racks within a data center, telecommunications room, or service provider facility. Routing products such as the FiberRunner® Routing System are critical factors in the ability to quickly install, easily implement moves, adds, and changes, and maintain the integrity of the fiber and copper cabling plant in order to maximize long-term performance.

- **Robust, large capacity 24x4, 12x4, and 6x4 systems to handle large cable counts; 4x4 and 2x2 systems for use with smaller cable counts**
- **Hinged channel cover and split fitting covers for 12x4, 6x4, and 4x4 systems protect cabling and provide easy access for future cabling revisions and additions**
- **QuikLock™ assembly features eliminate or minimize the need for tools to assemble the system; QuikLock™ Couplers and Brackets require less than five seconds to mechanically secure components**
- **12x4, 6x4, 4x4, and 2x2 fittings provide minimum 2" (50.8mm) bend radius and 24x4 fittings provide 3" (76.2mm) bend radius to protect against signal loss due to excessive cable bends**
- **Multiple spillout options provide versatility to make transitions to various equipment and rack configurations**
- **Compatible with Panduit® Fiber-Duct™ 4x4 and 2x2 Routing Systems and Wyr-Grid® Overhead Routing Systems, cable management, and racks**

The FiberRunner® 24x4, 12x4, 6x4, 4x4, and 2x2 Routing Systems are comprised of channel, couplers, fittings, and brackets designed to segregate, route, and protect fiber optic and high performance copper cabling.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

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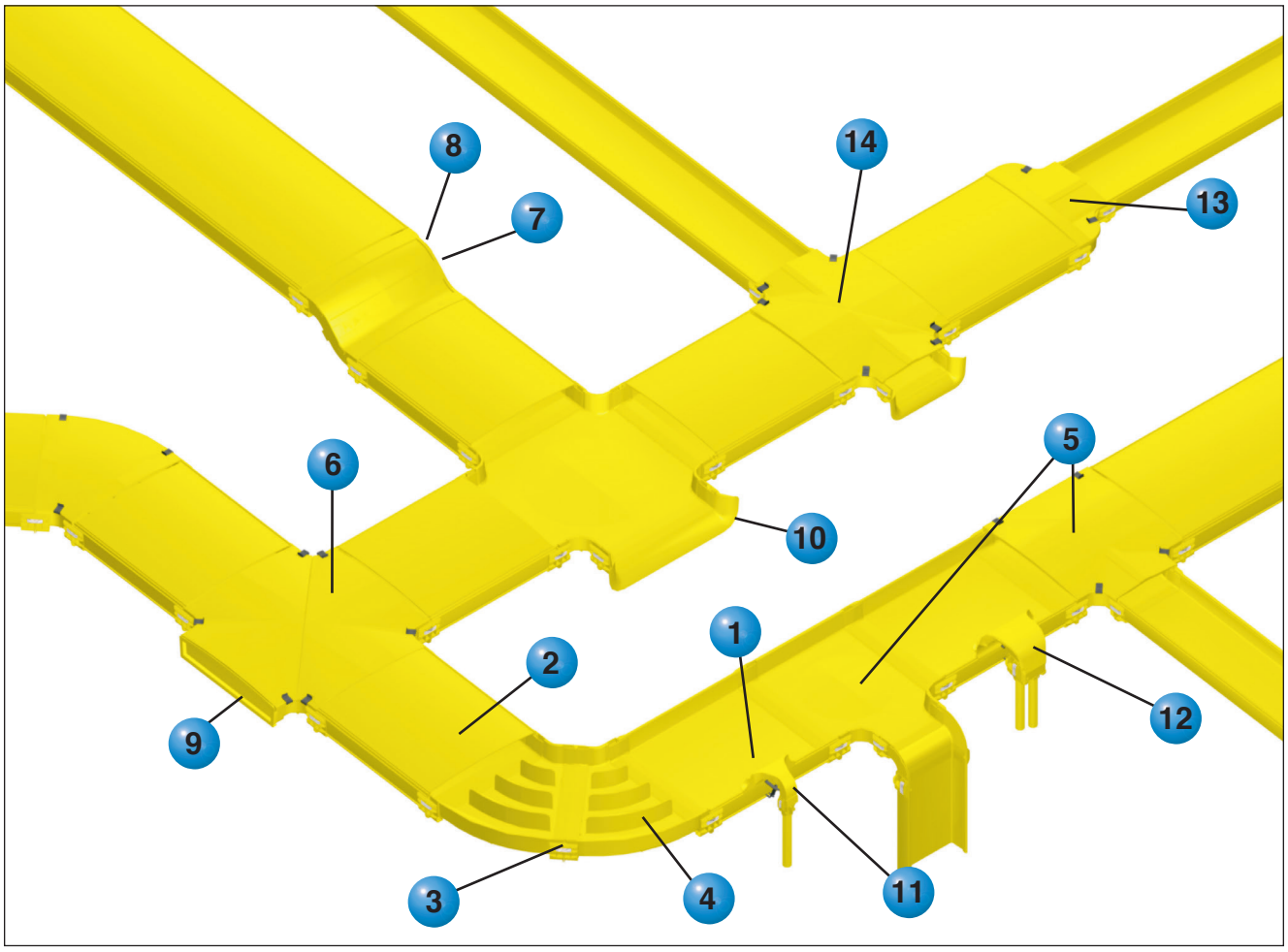
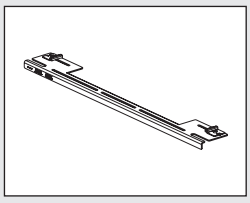
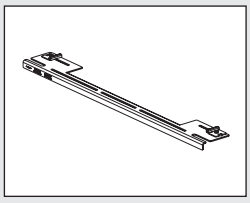
24x4 Routing System Roadmap



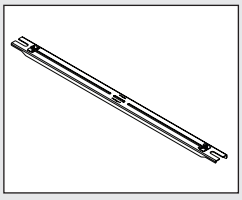
24x4 FiberRunner® Mounting Brackets



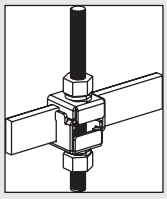
FR24TBE12 – Existing Threaded Rod QuikLock™ Bracket (page G.7)



FR24TBN12 - New Threaded Rod QuikLock™ Bracket (page G.7)

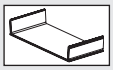


FRTBWG30BL - Wyr-Grid® Mounting Bracket for FiberRunner® System (page G.8)



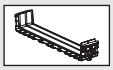
F2PCLB12 - Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" - 2" Ladder Rack (page G.8)

Order number of pieces required, in multiples of Standard Package Quantity.

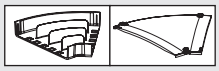


1 FR24X4**10 – 24x4 FiberRunner® Channel (page G.4)

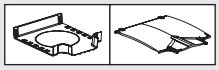
2 FRCV24**10 – 24x4 Snap-On Cover (page G.4)



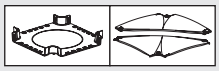
3 FRBC24X4** – 24x4 QuikLock™ Coupler (page G.4)



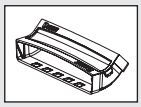
4 FRH4524X4** – 24x4 Horizontal 45° Angle Fitting and FRH45CV24** – Optional Cover (page G.5)



5 FRT24X4W12** – 24x4 Horizontal Tee with 12x4 Exit and FRTCV24W12** – Optional Cover (page G.5)

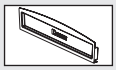


6 FRFWC24X4** – 24x4 4-Way Cross Fitting and FRFWCCV24** – Optional Cover (page G.5)

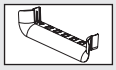


7 FRIV4524X4** – 24x4 Inside Vertical 45° Angle Fitting (page G.6)

8 FROV4524X4** – 24x4 Outside Vertical 45° Angle Fitting and FROV45CV24** – Optional Cover (page G.6)



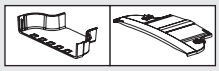
9 FREC24X4** – 24x4 End Cap Fitting (page G.5)



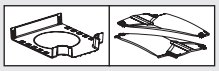
10 FRTR24X4** – 3-Sided BRC Trumpet Spillout for 24x4 Exit (page G.7)

11 FRSPJ2X2** – Spill-Over Junction with 2x2 Exit (page G.6)

12 FRSPJ4X4** – Spill-Over Junction with 4x4 Exit (page G.7)



13 FRRF2412** – 24x4 to 12x4 FiberRunner® Reducer Fitting and FRRF2412CV** – Optional Cover (page G.6)



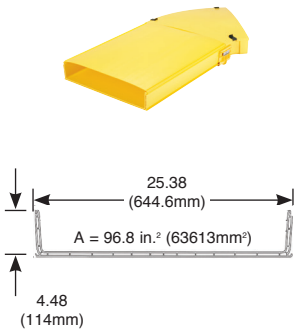
14 FRFWC24X4W12** – 24x4 4-Way Cross Fitting with 12x4 Exits and FRFWCCV24W12** – Optional Cover (page G.5)

**Available colors: YL (Yellow), OR (Orange), and BL (Black).

24x4 FiberRunner® Routing System

Cable Fills for 24x4 FiberRunner® Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.



12x4 FiberRunner® Cable Routing System								
Fill/Pile Up	Internal Area (in²)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	48.1	6174	3951	1756	583	425	272	425
3" Pile Up	72.4	9293	5947	2643	877	640	410	640
4" Pile Up	98.6	12656	8099	3600	1195	872	558	872
50% Fill								
2" Pile Up	48.1	7718	4939	2195	729	532	340	532
3" Pile Up	72.4	11616	7434	3304	1097	800	512	800
4" Pile Up	98.6	15820	10124	4500	1494	1090	697	1090
60% Fill								
2" Pile Up	48.1	9261	5927	2634	874	638	408	638
3" Pile Up	72.4	13940	8921	3965	1316	960	615	960
4" Pile Up	98.6	18984	12149	6400	1792	1308	837	1308

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.
The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.

24x4 FiberRunner® Routing System – Channel and Cover

- Robust, large capacity 24x4 system ideal for use with large cable counts
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit® FiberRunner® and Panduit® Fiber-Duct™ Routing Systems, cable management, and racks

FR24X4

FRCV24

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FR24X4YL10	Used to carry cables horizontally throughout the system. Use QuikLock™ Coupler FRBC24X4YL to attach channel and/or fittings.	10	20
24x4 Snap-On Cover			
FRCV24YL10	Optional snap-on cover for channel FR24X4YL10. Supplied in four 30" long pieces.	10	—

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).
Order number of feet required, in multiples of standard 10' length increments.

24x4 FiberRunner® QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FRBC24X4YL	Pre-assembled coupler quickly joins two sections of channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 3/8" nut driver to allow coupler to be removed if necessary.	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

Order number of pieces required, in multiples of Standard Package Quantity.

24x4 FiberRunner® System Fittings

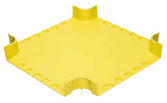
- Minimum 3" (76.2mm) bend radius control fittings
- Protect against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers

FRH4524X4

FRH45CV24

FRT24X4W12

FRTCV24W12



FRFWC24X4

FRFWCCV24

FRFWC24X4W12

FRFWCCV24W12

FREC24X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
24x4 Horizontal 45° Angle Fitting				
FRH4524X4YL	Attaches to 24x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run.	(2 pcs.) FRBC24X4YL	1	—
Cover for 24x4 Horizontal 45° Angle Fitting				
FRH45CV24YL	Optional cover for the horizontal 45° angle fitting FRH4524X4YL. Snap-on feature allows cover to be installed and removed with no tools required.	—	1	—
24x4 Horizontal Tee with 12x4 Exit				
FRT24X4W12YL	Attaches to 24x4 channel and/or fittings to create a 90° horizontal branch with a 12x4 exit from straight horizontal run. Accepts optional split cover FRTCV24W12YL.	(2 pcs.) FRBC24X4YL (1 pc.) FRBC12X4YL	1	—
Cover for 24x4 Horizontal Tee with 12x4 Exit				
FRTCV24W12YL	Optional cover for the horizontal tee fitting FRT24X4W12YL. Snap-on feature allows cover to be installed and removed with no tools required.	—	1	—
24x4 Four-Way Cross Fitting				
FRFWC24X4YL	Attaches to 24x4 channel and/or fittings to create a horizontal four-way cross intersection with two 24x4 exits. Accepts optional split cover FRFWCCV24YL.	(4 pcs.) FRBC24X4YL	1	—
24x4 FiberRunner® Four-Way Cross Cover				
FRFWCCV24YL	Optional cover for the four-way cross fitting FRFWC24X4YL. Snap-on feature allows cover to be installed and removed with no tools required.	—	1	—
24x4 Four-Way Cross Fitting with 12x4 Exits				
FRFWC24X4W12YL	Attaches to a 24x4 channel and/or fittings to create a horizontal four-way cross intersection with two 12x4 exits. Accepts optional split cover FRFWCCV24W12YL.	(2 pcs.) FRBC24X4YL (2 pcs.) FRBC12X4YL	1	—
Cover for 24x4 Four-Way Cross Fitting with 12x4 Exits				
FRFWCCV24W12YL	Optional cover for the four-way cross fitting FRFWC24X4W12YL. Cover can be installed and removed with no tools required.	—	1	—
24x4 End Cap Fitting				
FREC24X4YL	Used for closing off open ends of the channel or fittings. No coupler required. Push-on installation.	—	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

Continues on next page

24x4 FiberRunner® System Fittings (continued)

FRIV4524X4

FROV4524X4

FROV45CV24

FRRF2412

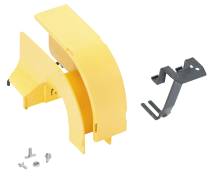
FRRF2412CV

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
24x4 Inside Vertical 45° Fitting and Cover				
FRIV4524X4YL	Attaches to 24x4 channel and/or fittings to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV4524X4YL to change level of a straight horizontal run. Includes cover.	(2 pcs.) FRBC24X4YL	1	—
24x4 Outside Vertical 45° Fitting				
FROV4524X4YL	Attaches to 24x4 channel and/or fittings to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FRIV4524X4YL to change level of a horizontal run.	(2 pcs.) FRBC24X4YL	1	—
Cover for 24x4 Outside Vertical 45° Angle Fitting				
FROV45CV24YL	Optional cover for the outside vertical 45° angle fitting FROV4524X4YL. Snap-on feature allows cover to be installed and removed with no tools required.	—	1	—
Reducer from 24x4 FiberRunner® to 12x4 FiberRunner®				
FRRF2412YL	Attaches any 24x4 FiberRunner® Fitting or Channel to any 12x4 FiberRunner® Fitting or Channel.	(1 pc.) FRBC24X4YL (1 pc.) FRBC12X4YL	1	—
Cover for 24x4 to 12x4 FiberRunner® Reducer Fitting				
FRRF2412CVYL	Optional cover for the reducer from 24x4 FiberRunner® to 12x4 FiberRunner® FRRF2412YL. Snap-on feature allows cover to be installed and removed with no tools required.	—	1	—

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

24x4 FiberRunner® System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2" (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing
- Spill-over junction fittings can be retro-fitted to existing horizontal runs



FRSPJ2X2

FTR2X2

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Spill-Over Junction with 2x2 Exit				
FRSPJ2X2YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner® and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FBC2X2YL	1	—
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a spill-over junction with a 2x2 exit or from 2x2 Fiber-Duct™ Channel.	(1 pc.) FBC2X2YL	1	5

For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).

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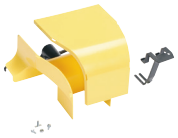
Order number of pieces required, in multiples of Standard Package Quantity.

24x4 FiberRunner® System Spillouts (continued)



FRSPJ4X4

FRTR4X4

FRIDT4X4

FRTR24X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Spill-Over Junction with 4x4 Exit				
FRSPJ4X4YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 4x4 vertical exit. Requires coupler to attach 4x4 FiberRunner® Channel and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FRBC4X4YL	1	—
3-Sided BRC Trumpet Spillout for 4x4 FiberRunner® Exit				
FRTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 4x4 FiberRunner® Channel or a 4x4 FiberRunner® Horizontal Tee.	(1 pc.) FRBC4X4YL	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FRIDT4X4YL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Requires coupler to be used with 4x4 FiberRunner® Fitting. Used with any 4x4 FiberRunner® Fitting.	(1 pc.) FRBC4X4YL	1	—
3-Sided BRC Trumpet Spillout for 24x4 Exit				
FRTR24X4YL	Used to limit the bend radius of the cable to 3" (76.2mm) when exiting from the 24x4 channel or a 24x4 horizontal tee.	(1 pc.) FRBC24X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).

24x4 FiberRunner® Mounting Brackets

FR24TBE12
FR24TBE12M

FR24TBN12
FR24TBN12M

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Existing Threaded Rod QuikLock™ Mounting Bracket for 24x4 System				
FR24TBE12	Used to support the 24x4 system by spanning two 1/2" existing threaded rod drops. Can be installed from above or below. Bracket is secured to each threaded rod with two split nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	—
FR24TBE12M		12mm	1	—
New Threaded Rod QuikLock™ Mounting Bracket for 24x4 System				
FR24TBN12	Used to support the 24x4 system from new threaded rod installations. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	—
FR24TBN12M		12mm	1	—

Continues on next page

24x4 FiberRunner® Mounting Brackets (continued)

FRTBWG30BL

F2PCLB12

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Wyr-Grid® Mounting Bracket for FiberRunner® System				
FRTBWG30BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 30" (762mm) width. Used to support FiberRunner® 4x4, 6x4, 12x4, and 24x4 Channel above or below the Wyr-Grid® 30" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB30BL bracket. Quick mount clips, FRQMC24-X are not included for installing the 24x4 channel. These must be purchased separately. This bracket is on the same pitch as the Wyr-Grid® Bracket. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
FiberRunner® Quick Mount Clips				
FRQMC24-X	Used whenever a FiberRunner® 24x4 Channel is installed on the FiberRunner® Trapeze Bracket, FRTBWG30BL for 30" Wyr-Grid® Pathway. For use with FiberRunner® 24x4 Channel only.	—	10	50
Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" – 2" Ladder Rack				
F2PCLB12	Two-piece bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) or 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket halves slide into position and clamp together on the ladder rack rail, which allows for a one-handed assembly of the threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10

Order number of pieces required, in multiples of Standard Package Quantity.

Notes

A. About Panduit
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C. Fiber Systems
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E. Keystone Cabling Systems
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K. Power Management
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M. Identification Products
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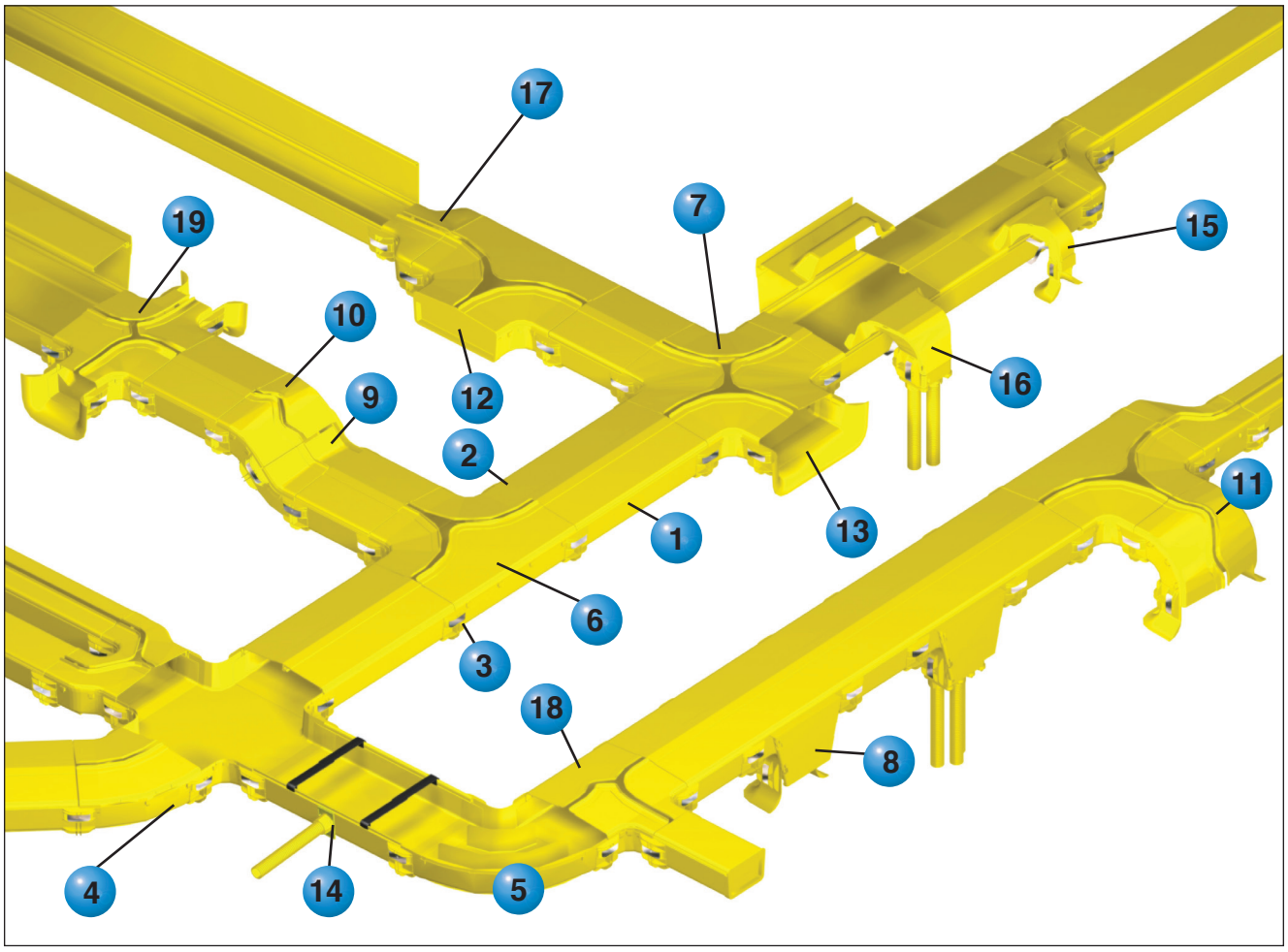
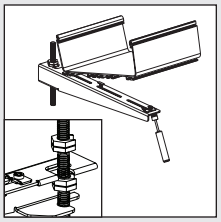
O. Part Number Index

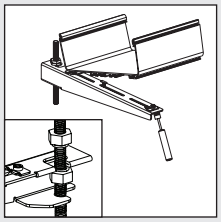
12x4 Routing System Roadmap



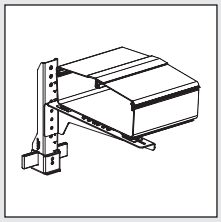
12x4 FiberRunner® Mounting Brackets



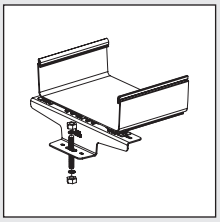
FR12TRBE58 – Existing Threaded Rod QuikLock™ Bracket (page G.17)



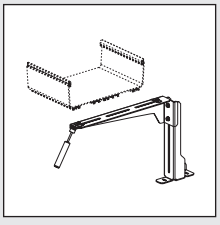
FR12TRBN58 – New Threaded Rod QuikLock™ Bracket (page G.17)



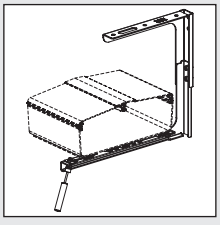
FR12ALB – Adjustable Ladder QuikLock™ Bracket (page G.17)



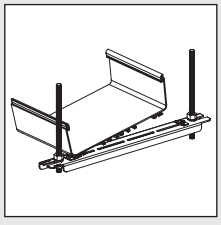
FR12CS58 – Center Support QuikLock™ Bracket (page G.17)



FR12ACAB – Adjustable Cabinet QuikLock™ Bracket (page G.19)

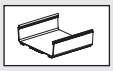


FR12ACB58 – Top Support Adjustable "C" QuikLock™ Bracket (page G.18)

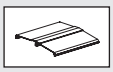


FR12TB58 – Trapeze QuikLock™ Bracket (page G.18)

Order number of pieces required, in multiples of Standard Package Quantity.



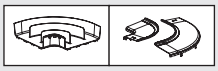
1 FR12X4**6 – 12x4 FiberRunner® Channel (page G.12)



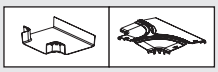
2 FRHC12**6 – 12x4 Snap-On Hinged Cover (page G.12)

3 FRBC12X4** – 12x4 QuikLock™ Coupler (page G.13)

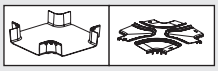
4 FRH4512X4** – 12x4 Horizontal 45° Angle Fitting and FRH45SC12** – Optional Split Cover (page G.13)



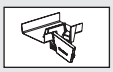
5 FRRA12X4** – 12x4 Horizontal Right Angle Fitting and FRRASC12** – Optional Split Cover (page G.13)



6 FRT12X4** – 12x4 Horizontal Tee Fitting and FRTSC12** – Optional Split Cover (page G.13 and G.14)

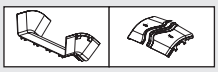


7 FRFWC12X4** – 12x4 4-Way Cross Fitting and FRFWCSC12** – Optional Split Cover (page G.14)



8 FRVT12X4** – 12x4 Vertical Tee (page G.16)

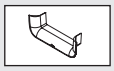
9 FRIV4512X4** – 12x4 Inside Vertical 45° Angle Fitting (page G.15)



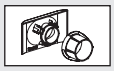
10 FROV4512X4** – 12x4 Outside Vertical 45° Angle Fitting and FROV45SC12** – Optional Split Cover (page G.15)

11 FROVRA12X4** – 12x4 Outside Vertical Right Angle Fitting and FROVRASC12** – Optional Split Cover (page G.15)

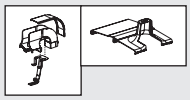
12 FREC12X4** – 12x4 End Cap Fitting (page G.15)



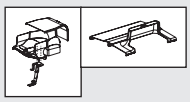
13 FRTR12X4** – 3-Sided BRC Trumpet Spillout for 12x4 Exit (page G.17)



14 FR1.5IDE** – 1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing (page G.37)

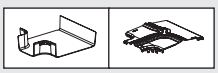


15 FRSPJ2X2** – Spill-Over Junction with 2x2 Exit and FRSPJC212** – Optional Cover for 12x4 System (page G.16)

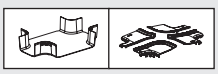


16 FRSPJ4X4** – Spill-Over Junction with 4x4 Exit and FRSPJC412** – Optional Cover for 12x4 System (page G.16)

17 FRRF126** – 12x4 to 6x4 FiberRunner® Reducer Fitting and FRRF126SC** – Optional Split Cover (page G.15)



18 FRT12X4W6** – 12x4 Horizontal Tee with 6x4 Exit and FRTSC12W6** – Optional Split Cover (page G.14)



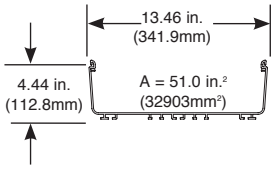
19 FRFWC12X4W6** – 12x4 4-Way Cross Fitting with 6x4 Exits and FRFWCSC12W6** – Optional Split Cover (page G.14)

**Available colors: YL (Yellow), OR (Orange), and BL (Black).

12x4 FiberRunner® Routing System

Cable Fills for 12x4 FiberRunner® Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.



12x4 FiberRunner® Cable Routing System								
Fill/Pile Up	Internal Area (in2)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	25.7	3299	2111	938	311	227	147	209
3" Pile Up	38.8	4980	3187	1417	470	343	223	316
4" Pile Up	51	6546	4189	1862	618	451	292	416
50% Fill								
2" Pile Up	25.7	4124	2639	1173	389	284	184	262
3" Pile Up	38.8	6225	3984	1771	588	429	278	395
4" Pile Up	51	8183	5237	2327	773	564	366	519
60% Fill								
2" Pile Up	25.7	4948	3167	1407	467	341	221	314
3" Pile Up	38.8	7470	4781	2125	705	515	334	474
4" Pile Up	51	9819	6284	2793	927	676	439	623

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.

12x4 FiberRunner® Routing System – Channel and Cover

- Robust, large capacity 12x4 system ideal for use with large cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit® FiberRunner® and Panduit® Fiber-Duct™ Routing Systems, cable management, and racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3

FR12X4

FRHC12

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
12x4 FiberRunner® Channel			
FR12X4YL6	Used to carry the cables horizontally throughout the system. Accepts cable retainers FRCR12BL-X or hinged cover FRHC12YL6. Use QuikLock™ Coupler FRBC12X4YL to attach channel and/or fittings.	6	12
12x4 Snap-On Hinged Cover			
FRHC12YL6	Optional snap-on hinged cover for channel FR12X4YL6. Can be folded down for height restricted areas.	6	12

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).
Order number of feet required, in multiples of standard 6' length increments.

Order number of pieces required, in multiples of Standard Package Quantity.

12x4 FiberRunner® QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FRBC12X4YL	Pre-assembled coupler quickly joins two sections of channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 3/8" nut driver to allow coupler to be removed if necessary.	1	5

For a bulk package of 10 couplers, order FRBC12X4YL-X.
For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

12x4 FiberRunner® System Fittings

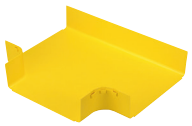
- Minimum 2" (50.8mm) bend radius control fittings
- Protect against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers
- Optional split covers snap onto each fitting
- Covers feature 3/4" (19mm) gap to allow cable to be laid in

FRRA12X4

FRRASC12

FRH4512X4

FRH45SC12



FRT12X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
12x4 Horizontal Right Angle Fitting				
FRRA12X4YL	Attaches to 12x4 channel and/or fitting to create a 90° horizontal turn from a straight horizontal run. Inside divider walls manage cables routed around horizontal right angles. Accepts optional split cover FRRASC12YL.	(2 pcs.) FRBC12X4YL	1	—
Split Cover for 12x4 Horizontal Right Angle Fitting				
FRRASC12YL	Optional split cover for the horizontal right angle fitting FRRA12X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
12x4 Horizontal 45° Angle Fitting				
FRH4512X4YL	Attaches to 12x4 channel and/or fitting to create a 45° horizontal turn from a straight horizontal run. Accepts optional split cover FRH45SC12YL.	—	1	—
Split Cover for 12x4 Horizontal 45° Angle Fitting				
FRH45SC12YL	Optional split cover for the horizontal 45° angle fitting FRH4512X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or removes cables.	—	1	5
12x4 Horizontal Tee Fitting				
FRT12X4YL	Attaches to 12x4 channel and/or fittings to create a 90° horizontal branch with a 12x4 exit from straight horizontal run. Accepts optional split cover FRTSC12YL.	(3 pcs.) FRBC12X4YL	1	—

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

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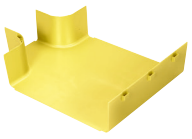
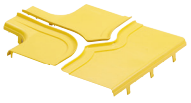
12x4 FiberRunner® System Fittings (continued)

FRTSC12

FRT12X4W6

FRTSC12W6


FRT12X4W4


FRTSC12W4

FRFWC12X4

FRFWCSC12

FRFWC12X4W6

FRFWCSC12W6

FRFWC12X4W4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Split Cover for 12x4 Horizontal Tee Fitting				
FRTSC12YL	Optional split cover for the horizontal tee fitting FRT12X4BL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
12x4 Horizontal Tee with 6x4 Exit				
FRT12X4W6YL	Attaches to 12x4 channel and/or fittings to create a 90° horizontal branch with a 6x4 exit from straight horizontal run. Accepts optional split cover FRTSC12W6YL.	(2 pcs.) FRBC12X4YL (1 pc.) FRBC6X4YL	1	—
Split Cover for 12x4 Horizontal Tee with 6x4 Exit				
FRTSC12W6YL	Optional split cover for the horizontal tee with 6x4 exit fitting FRT12X4W6YL. Snap-on feature allows cover to be installed and removed without tools. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
FRT12X4W4YL	Attaches to 12x4 channel and/or fittings to create a 90° horizontal branch with a 4x4 exit from straight horizontal run. Accepts optional split cover FRTSC12W4YL.	(2 pcs.) FRBC12X4YL (1 pc.) FRBC4X4YL	1	—
FRTSC12W4YL	Split Cover, Horizontal Tee with 12x4 exit.	—	1	5
12x4 Four-Way Cross Fitting				
FRFWC12X4YL	Optional split cover for the four-way cross fitting FRFWC12X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
12x4 Four-Way Cross Fitting with 6x4 exits				
FRFWC12X4W6YL	Attaches to 12x4 channel and/or fittings to create a horizontal four-way cross intersection with two 6x4 exits. Accepts optional split cover FRFWCSC12W6YL.	(2 pcs.) FRBC12X4YL (2 pcs.) FRBC6X4YL	1	—
FRFWCSC12W6YL	Optional split cover for the four-way cross fitting FRFWC12X4W6YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
FRFWC12X4W4YL	Attaches to 12x4 channel and/or fittings to create a horizontal four-way cross intersection with two 4x4 exits.	(2 pcs.) FRBC12X4YL (2 pcs.) FRBC4X4YL	1	—

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

12x4 FiberRunner® System Fittings (continued)

FRFWCSC12W4

FREC12X4

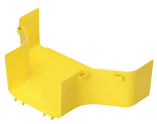
FRIV4512X4

FROV4512X4

FROV45SC12

FROVRA12X4

FROVRASC12



FRRF126

FRRF126SC

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Split Cover for 12x4 Four Way Cross Fitting with 6x4 Exits				
FRFWCSC12W4YL	Optional split cover for the four-way cross fitting FRFWC12X4W4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
12x4 End Cap Fitting				
FREC12X4YL	Used for closing off open ends of the channel or fittings. No coupler required. Push-on installation.	—	1	5
12x4 Inside Vertical 45° Angle Fitting				
FRIV4512X4YL	Attaches to 12x4 channel and/or fitting to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV4512X4YL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC12X4YL	1	—
12x4 Outside Vertical 45° Angle Fitting				
FROV4512X4YL	Attaches to 12x4 channel and/or fitting to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FRIV4512X4YL to change level of a horizontal run. Accepts optional split cover FROV45SC12YL.	(2 pcs.) FRBC12X4YL	1	—
Split Cover for 12x4 Outside Vertical 45° Angle Fitting				
FROV45SC12YL	Optional split cover for the outside vertical 45° angle fitting FROV4512X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
FROVRA12X4YL	Attaches to 12x4 channel and/or fitting to create a 90° vertical turn down from a straight horizontal run. Accepts optional split cover FROVRASC12YL.	(2 pcs.) FRBC12X4YL	1	—
12x4 Outside Vertical Right Angle Fitting				
FROVRASC12YL	Optional split cover for the outside vertical right angle fitting FROVRA12X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
12x4 to 6x4 FiberRunner® Reducer Fitting				
FRRF126YL	Attaches any 12x4 FiberRunner® Fitting or Channel to any 6x4 FiberRunner® Fitting or Channel. Accepts split cover FRRF126SCYL.	(1 pc.) FRBC12X4YL (1 pc.) FRBC6X4YL	1	—
Split Cover for 12x4 to 6x4 FiberRunner® Reducer Fitting				
FRRF126SCYL	Optional split cover for the reducer fitting FRRF126YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

12x4 FiberRunner® System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2" (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing
- Spill-over junction fittings can be retro-fitted to existing horizontal runs

FRVT12X4

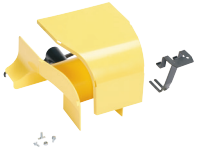
FRTR6X4

FRIDT6X4

FRSPJ2X2

FRSPJC212

FTR2X2


FRSPJ4X4

FRSPJC412

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
12x4 Vertical Tee				
FRVT12X4YL	Attaches to 12x4 channel and/or fittings to create a 90° vertical drop from a horizontal run. Hinged door included. Requires coupler to attach FRTR6X4YL or FRIDT6X4YL to vertical exit. Accepts optional snap-on cover FRHC12YL6 in conjunction with channel.	(2 pcs.) FRBC12X4YL (1 pc.) FRBC6X4YL	1	—
3-Sided BRC Trumpet Spillout for 6x4 Exit				
FRTR6X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 6x4 channel, 6x4 horizontal tee fitting, or 6x4 exit on 12x4 vertical tee.	(1 pc.) FRBC6X4YL	1	5
3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FRIDT6X4YL	Used to route cable into three separate pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT12X4YL or any 6x4 fitting.	(1 pc.) FRBC6X4YL	1	5
Spill-Over Junction with 2x2 Exit				
FRSPJ2X2YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner® and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FBC2X2YL	1	—
Cover for Spill-Over Junction with 2x2 Exit for 12x4 Channel				
FRSPJC212YL	Used to fully enclose 12x4 channel in conjunction with the spill-over junction FRSPJ2X2YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a spill-over junction with a 2x2 exit or from 2x2 Fiber-Duct™ Channel.	(1 pc.) FBC2X2YL	1	5
Spill-Over Junction with 4x4 Exit				
FRSPJ4X4YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 4x4 vertical exit. Requires coupler to attach 4x4 FiberRunner® Channel and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FRBC4X4YL	1	—
Cover for Spill-Over Junction with 4x4 Exit for 12x4 Channel				
FRSPJC412YL	Used to fully enclose 12x4 channel in conjunction with the spill-over junction FRSPJ4X4YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

12x4 FiberRunner® System Spillouts (continued)

FRTR4X4

FRIDT4X4

FRTR12X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
3-Sided BRC Trumpet Spillout for 4x4 FiberRunner® Exit				
FRTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 4x4 FiberRunner® Channel or a 4x4 FiberRunner® Horizontal Tee.	(1 pc.) FRBC4X4YL	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FRIDT4X4YL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Requires coupler to be used with 4x4 FiberRunner® Fitting. Used with any 4x4 FiberRunner® Fitting.	(1 pc.) FRBC4X4YL	1	5
3-Sided BRC Trumpet Spillout for 12x4 Exit				
FRTR12X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from the 12x4 channel or a 12x4 horizontal tee.	(1 pc.) FRBC12X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

12x4 FiberRunner® Mounting Brackets

FR12TRBE58
FR12TRBE58M

FR12TRBN58
FR12TRBN58M

FR12ALB

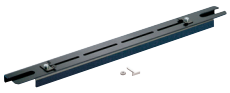
FR12CS12
FR12CS58
FR12CS12M
FR12CS58M

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Existing Threaded Rod QuikLock™ Bracket for 12x4 System				
FR12TRBE58	Used to support the 12x4 system from existing threaded rod installations. Bracket is secured to threaded rod with two split nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	5/8"	1	—
FR12TRBE58M		16mm	1	—
New Threaded Rod QuikLock™ Bracket for 12x4 System				
FR12TRBN58	Used to support the 12x4 system from new threaded rod installations. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	5/8"	1	—
FR12TRBN58M		16mm	1	—
Underfloor Pedestal QuikLock™ Bracket for 12x4 System				
FR12ALB	Used to support the 12x4 system by attaching to any 3/8" (9.5mm) x 1 1/2" (38.1mm) or 3/8" (9.5mm) x 2" (50.8mm) ladder rack rail. Adjustable to nine incremental positions from 4" (101mm) to 12" (305mm) above or below the ladder rack. No threaded rod required. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—	1	—
Center Support QuikLock™ Bracket for 12x4 System				
FR12CS12	Used to support the 12x4 system from below with new threaded rod. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps. Also can be secured directly to the top of cabinets.	1/2"	1	—
FR12CS58		5/8"	1	—
FR12CS12M		12mm	1	—
FR12CS58M		16mm	1	—

Continues on next page

12x4 FiberRunner® Mounting Brackets (continued)

FR12ACB12
FR12ACB58
FR12ACB12M
FR12ACB58M

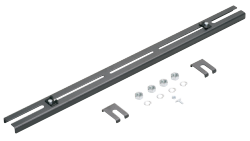


FR12TB12
FR12TB58
FR12TB12M
FR12TB58M

FRTBWG18BL

FRTBWG24BL

FRTBWG30BL



FR12TB2412
FR12TB2458
FR12TB2412M
FR12TB2458M

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Top Support Adjustable "C" QuikLock™ Bracket for 12x4 System				
FR12ACB12	Used to support the 12x4 system from any new threaded rod extending down directly from the ceiling, grid, or ladder rack system. Two position height adjustments to accommodate system with or without hinged cover. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	—
FR12ACB58		5/8"	1	—
FR12ACB12M		12mm	1	—
FR12ACB58M		16mm	1	—
Trapeze QuikLock™ Bracket for 12x4 System				
FR12TB12	Used to support the 12x4 system by spanning two threaded rod drops that are 18" apart. Can be installed from above or below. Bracket is secured to each threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	—
FR12TB58		5/8"	1	—
FR12TB12M		12mm	1	—
FR12TB58M		16mm	1	—
Wyr-Grid® Mounting Brackets for FiberRunner® System				
FRTBWG18BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 18" (457mm) width. Used to support FiberRunner® 4x4, 6x4, and 12x4 Channel above or below the Wyr-Grid® 18" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB18BL bracket. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
FRTBWG24BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 24" (610mm) width. Used to support FiberRunner® 4x4, 6x4, and 12x4 Channel above or below the Wyr-Grid® 24" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB24BL bracket. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
FRTBWG30BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 30" (762mm) width. Used to support FiberRunner® 4x4, 6x4, 12x4, and 24x4 Channel above or below the Wyr-Grid® 30" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB30BL bracket. Quick mount clips, FRQMC24-X are not included for installing the 24x4 channel. These must be purchased separately. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
Trapeze QuikLock™ Bracket for 12x4 System				
FR12TB2412	Used to support the 12x4 system by spanning two threaded rod drops that are 24" apart. Ideal for supporting trapeze bracket from 24" wide ladder rack or 24" wide cable tray. Can be installed from above or below. Bracket is secured to each threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	—
FR12TB2458		5/8"	1	—
FR12TB2412M		12mm	1	—
FR12TB2458M		16mm	1	—

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

12x4 FiberRunner® Mounting Brackets (continued)

FR12ACAB

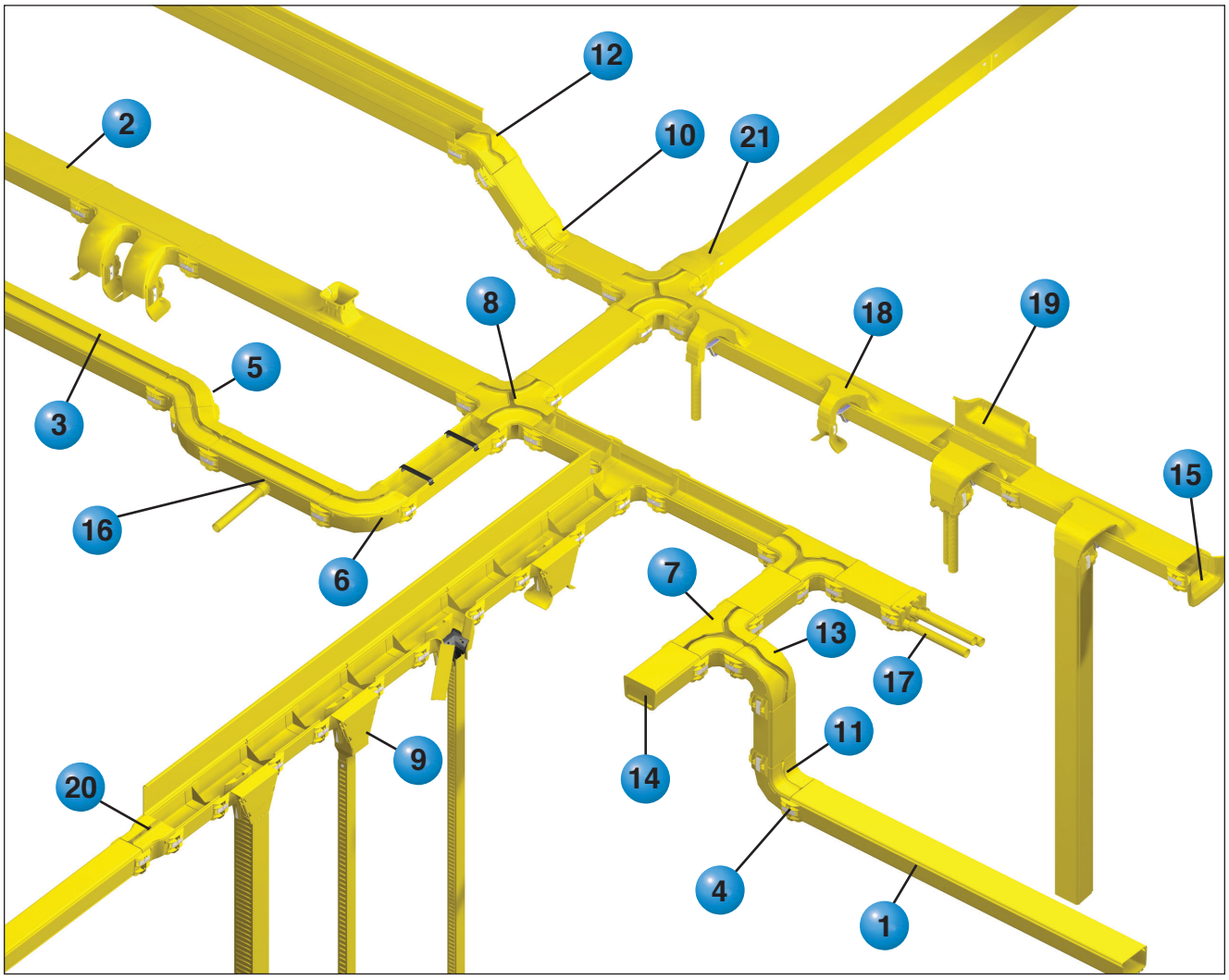
FR4PRB58

F2PCLB12
F2PCLB58

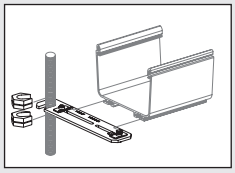
Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Adjustable Cabinet QuikLock™ Bracket for 12x4 System				
FR12ACAB	Used to support the 12x4 system, dual 6x4, or dual 4x4 systems attaching to the top of cabinets. Adjustable from 4 1/4" (108mm) to 12" (305mm) allowing runs to be leveled over uneven cabinet heights. Bracket is secured to the cabinet frame with through bolts (not included). The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—	1	—
4-Post Rack Bracket				
FR4PRB58	Used to support 12x4, 6x4, and 4x4 systems attaching to the top of the 19" wide version of the Panduit NF4PR84 4-post rack. Contains all hardware required to assemble bracket to the top of the 4-post rack. Bracket accepts 5/8" threaded rod (not included).	5/8"	1	—
Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" — 2" Ladder Rack				
F2PCLB12	Two-piece bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) or 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket halves slide into position and clamp together on the ladder rack rail, which allows for a one-handed assembly of the threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10
F2PCLB58		5/8"	1	10

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

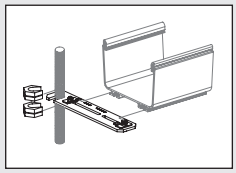
6x4 Routing System Roadmap



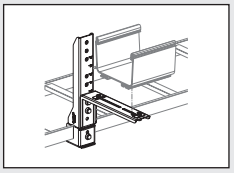
4x4 and 6x4 FiberRunner® Mounting Brackets



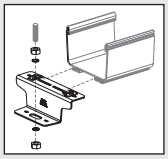
FR6TRBE58 – Existing Threaded Rod QuikLock™ Bracket (page G.27)



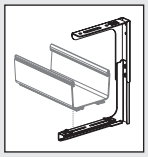
FR6TRBN58 – New Threaded Rod QuikLock™ Bracket (page G.27)



FR6ALB – Adjustable Ladder QuikLock™ Bracket (page G.27)

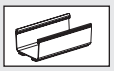


FR6CS58 – Center Support QuikLock™ Bracket (page G.27)



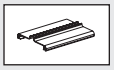
FR6ACB58 – Top Support Adjustable "C" QuikLock™ Bracket (page G.27)

Order number of pieces required, in multiples of Standard Package Quantity.



1 FR6X4**6 – 6x4 FiberRunner® Channel (page G.22)

2 FRHC6**6 – 6x4 Snap-On Hinged Cover (page G.22)



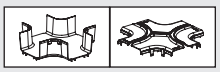
3 FRSHC6**6 – 6x4 Split Hinged Cover (page G.22)

4 FRBC6X4** – 6x4 QuikLock™ Coupler (page G.23)

5 FRH456X4** – 6x4 Horizontal 45° Angle Fitting and FRH45SC6** – Optional Split Cover (page G.23)

6 FRRA6X4** – 6x4 Horizontal Right Angle Fitting and FRRASC6** – Optional Split Cover (page G.23)

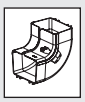
7 FRT6X4** – 6x4 Horizontal Tee Fitting and FRTSC6** – Optional Split Cover (page G.23)



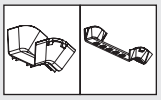
8 FRFWC6X4** – 6x4 4-Way Cross Fitting and FRFWCSC6** – Optional Split Cover (page G.24)

9 FRVT6X4** – 6x4 QuikLock™ Vertical Tee (page G.25)

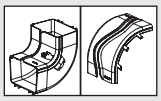
10 FRIV456X4** – 6x4 Inside Vertical 45° Angle Fitting (page G.24)



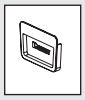
11 FRIVRA6X4** – 6x4 Inside Vertical 90° Angle Fitting (page G.24)



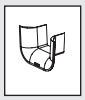
12 FROV456X4** – 6x4 Outside Vertical 45° Angle Fitting and FROV45SC6** – Optional Split Cover (page G.24)



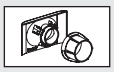
13 FROVRA6X4** – 6x4 Outside Vertical Right Angle Fitting and FROVRASC6** – Optional Split Cover (page G.24)



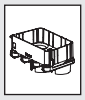
14 FREC6X4** – 6x4 End Cap Fitting (page G.24)



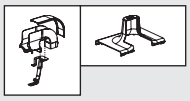
15 FRTR6X4** – 3-Sided BRC Trumpet Spillout for 6x4 Exit (page G.26)



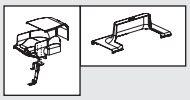
16 FR1.5IDE** – 1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing (page G.37)



17 FRIDT6X4** – 3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing (page G.26)

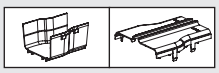


18 FRSPJ2X2** – Spill-Over Junction with 2x2 Exit and FRSPJC26** – Optional Cover for 6x4 System (page G.25)



19 FRSPJ4X4** – Spill-Over Junction with 4x4 Exit and FRSPJC46** – Optional Cover for 6x4 System (page G.26)

20 FRRF64** – 6x4 FiberRunner® Fitting to 4x4 Fiber-Duct™ Channel Reducer Fitting (page G.25)



21 FRRF6FR4** – 6x4 to 4x4 FiberRunner® Reducer Fitting and FRRF6FR4SC** – Optional Split Cover (page G.25)

**Available Colors: YL (Yellow), OR (Orange), and BL (Black).
Note: Additional 6x4 and 4x4 bracket applications, see page G.30.

6x4 FiberRunner® Routing System

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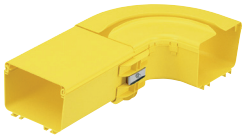

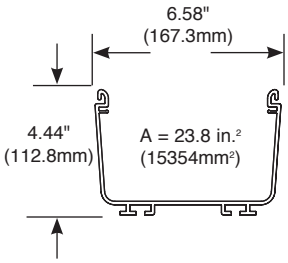

Cable Fills for 6x4 FiberRunner® Cable Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.

6x4 FiberRunner® Cable Routing System								
Fill/Pile Up	Internal Area (in²)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	11.95	1534	982	436	145	106	69	97
3" Pile Up	18.16	2331	1492	663	220	161	104	148
4" Pile Up	23.8	3055	1955	869	288	210	136	194
50% Fill								
2" Pile Up	11.95	1917	1227	545	181	132	86	122
3" Pile Up	18.16	2914	1865	829	275	201	130	185
4" Pile Up	3819	2444	1086	361	263	171	242	519
60% Fill								
2" Pile Up	11.95	22301	1472	654	217	158	103	146
3" Pile Up	18.16	3496	2238	994	330	241	156	222
4" Pile Up	23.8	4582	2933	1303	433	316	205	291

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.

6x4 FiberRunner® Routing System – Channel and Covers

- Robust, large capacity 6x4 system ideal for use with large cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit® FiberRunner® and Panduit® Fiber-Duct™ Routing Systems, cable management, and racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS)a Level 3

FR6X4

FRHC6

FRSHC6

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
6x4 FiberRunner® Channel			
FR6X4YL6	Used to carry the cables horizontally throughout the system. Accepts hinged cable retainers FRCR6BL-X, hinged cover FRHC6YL6 or split hinged cover FRSHC6YL6. Use QuikLock™ Coupler FRBC6X4YL to attach channel and/or fittings.	6	36
6x4 Snap-On Hinged Cover			
FRHC6YL6	Optional snap-on hinged cover for channel FR6X4YL6. Hinge feature enables positioning of cover at angles between 30° and 90°.	6	36
6x4 Split Hinged Cover			
FRSHC6YL6	Optional split hinged cover for the channel FR6X4YL6. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. Snap-on hinge feature enables positioning of cover at angles between 30° and 90°.	6	36

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).
Order number of feet required, in multiples of standard 6' length increments.

Order number of pieces required, in multiples of Standard Package Quantity.

6x4 FiberRunner® QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FRBC6X4YL	Pre-assembled coupler quickly joins two sections of channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 3/8" nut driver to allow coupler to be removed if necessary.	1	5

For a bulk package of 20 couplers, order FRBC6X4YL-E.
For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

6x4 FiberRunner® System Fittings

- Minimum 2" (50.8mm) bend radius control fittings
- Protect against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers
- Optional split covers snap onto each fitting
- Covers feature 3/4" (19mm) gap to allow cable to be laid in

FRRA6X4

FRRASC6

FRH456X4

FRH45SC6

FRT6X4

FRTSC6

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
6x4 Horizontal Right Angle Fitting				
FRRA6X4YL	Attaches to 6x4 channel and/or fittings to create a 90° horizontal turn from a straight horizontal run. Accepts optional split cover FRRASC6YL.	(2 pcs.) FRBC6X4YL	1	5
Split Cover for 6x4 Horizontal Right Angle Fitting				
FRRASC6YL	Optional split cover for the horizontal right angle fitting FRRA6X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
6x4 Horizontal 45° Angle Fitting				
FRH456X4YL	Attaches to 6x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run. Accepts optional split cover FRH45SC6YL.	(2 pcs.) FRBC6X4YL	1	5
Split Cover for 6x4 Horizontal 45° Angle Fitting				
FRH45SC6YL	Optional split cover for the horizontal 45° angle fitting FRH456X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
6x4 Horizontal 45° Angle Fitting				
FRT6X4YL	Attaches to 6x4 channel and/or fittings to create a 90° horizontal branch from a straight horizontal run. Accepts optional split cover FRTSC6YL.	(3 pcs.) FRBC6X4YL	1	5
Split Cover for 6x4 Horizontal Tee Fitting				
FRTSC6YL	Optional split cover for the horizontal tee fitting FRT6X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

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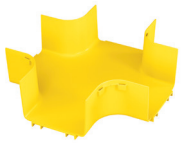
6x4 FiberRunner® System Fittings (continued)


FRFWC6X4

FRFWCSC6

FREC6X4

FRIVRA6X4

FRIV456X4

FROV456X4

FROV45SC6

FROVRA6X4

FROVRASC6

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
6x4 Four-Way Cross Fitting				
FRFWC6X4YL	Attaches to 6x4 channel and/or fittings to create a horizontal four-way cross intersection. Accepts optional split cover FRFWCSC6YL.	(4 pcs.) FRBC6X4YL	1	5
Split Cover for 6x4 Four-Way Cross Fitting				
FRFWCSC6YL	Optional split cover for the four-way cross fitting FRFWC6X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
6x4 End Cap Fitting				
FREC6X4YL	Used for closing off open ends of the channel or fittings. No coupler required. Push-on installation.	—	1	5
6x4 Inside Vertical 90° Angle Fitting				
FRIVRA6X4YL	Attaches to 6x4 channel and/or fittings to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FROVRA6X4YL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC6X4YL	1	5
6x4 Inside Vertical 45° Angle Fitting				
FRIV456X4YL	Attaches to 6x4 channel and/or fittings to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV456X4YL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC6X4YL	1	5
6x4 Outside Vertical 45° Angle Fitting				
FROV456X4YL	Attaches to 6x4 channel and/or fittings to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FRIV456X4YL to change level of a straight horizontal run. Accepts optional split cover FROV45SC6YL.	(2 pcs.) FRBC6X4YL	1	5
Split Cover for 6x4 Outside Vertical 45° Angle Fitting				
FROV45SC6YL	Optional split cover for the outside vertical 45° angle fitting FROV456X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
6x4 Outside Vertical Right Angle Fitting				
FROVRA6X4YL	Attaches to 6x4 channel and/or fittings to create a 90° vertical turn down from a straight horizontal run. Accepts optional split cover FROVRASC6YL.	(2 pcs.) FRBC6X4YL	1	5
Split Cover for 6x4 Outside Vertical Right Angle Fitting				
FROVRASC6YL	Optional split cover for the outside vertical right angle fitting FROVRA6X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

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Order number of pieces required, in multiples of Standard Package Quantity.

6x4 FiberRunner® System Fittings (continued)

FRRF6FR4

FRRF6FR4SC

FRRF64

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
6x4 to 4x4 FiberRunner® Reducer Fitting				
FRRF6FR4YL	Attaches any 6x4 FiberRunner® Fitting or Channel to any 4x4 FiberRunner® Fitting or Channel. Accepts split cover FRRF6FR4SCYL.	(1 pc.) FRBC6X4YL (1 pc.) FRBC4X4YL	1	5
Split Cover for 6x4 to 4x4 FiberRunner® Reducer Fitting				
FRRF6FR4SCYL	Optional split cover for the 6x4 FiberRunner® to 4x4 FiberRunner® Reducer Fitting FRRF6FR4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
6x4 FiberRunner® System to 4x4 Fiber-Duct™ Reducer Fitting				
FRRF64YL	Attaches any 6x4 FiberRunner® Fitting or Channel to the 4x4 Fiber-Duct™ Channel S4X4YL6 or E4X4YL6. Includes solid cover.	(1 pc.) FRBC6X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

6x4 FiberRunner® System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2" (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing
- Spill-over junction fittings can be retro-fitted to existing horizontal runs

FRVT6X4

FTR4X4

FIDT4X4BL

FRSPJ2X2

FRSPJC26

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
6x4 QuikLock™ Vertical Tee				
FRVT6X4YL	Attaches to 6x4 channel and/or fittings to create 90° vertical drop from a straight horizontal run. Hinged door included. Accepts FTR4X4YL, FIDT4X4BL, S4X4YL6 or E4X4YL6 directly. Accepts optional snap-on cover FRHC6YL6 in conjunction with channel.	(2 pcs.) FRBC6X4YL	1	5
3-Sided Vertical Tee Trumpet Spillout				
FTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a 4x4 or 6x4 FiberRunner® Vertical Tee and 4x4 Fiber-Duct™ Fittings.	—	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT4X4BL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT6X4YL, FRVT4X4YL, or FVT4X4YL. Black color only.	—	1	5
Spill-Over Junction with 2x2 Exit				
FRSPJ2X2YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner® and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FBC2X2YL	1	5
Cover for Spill-Over Junction with 2x2 Exit for 6x4 Channel				
FRSPJC26YL	Used to fully enclose 6x4 channel in conjunction with the spill-over junction FRSPJ2X2YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

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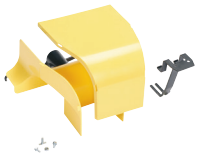
6x4 FiberRunner® System Spillouts (continued)

FTR2X2

FRSPJ2X2


FRSPJ4X4

FRSPJC46

FRTR4X4

FRIDT4X4

FRTR6X4

FRIDT6X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a spill-over junction with a 2x2 exit or from 2x2 Fiber-Duct™ Channel.	(1 pc.) FBC2X2YL	1	5
Spill-Over Junction with 2x2 Exit				
FRSPJ2X2YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner® and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FBC2X2YL	1	5
Spill-Over Junction with 4x4 Exit				
FRSPJ4X4YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 4x4 vertical exit. Requires coupler to attach 4x4 FiberRunner® Channel and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FRBC4X4YL	1	5
Cover for Spill-Over Junction with 4x4 Exit for 6x4 Channel				
FRSPJC46YL	Used to fully enclose 6x4 channel in conjunction with the spill-over junction FRSPJ4X4YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5
3-Sided BRC Trumpet Spillout for 4x4 FiberRunner® Exit				
FRTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 4x4 FiberRunner® Channel or a 4x4 FiberRunner® Horizontal Tee.	(1 pc.) FRBC4X4YL	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FRIDT4X4YL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Requires coupler to be used with 4x4 FiberRunner® Fitting. Used with any 4x4 FiberRunner® Fitting.	(1 pc.) FRBC4X4YL	1	5
3-Sided BRC Trumpet Spillout for 6x4 Exit				
FRTR6X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 6x4 channel, 6x4 horizontal tee fitting, or 6x4 exit on 12x4 vertical tee.	(1 pc.) FRBC6X4YL	1	5
3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FRIDT6X4YL	Used to route cable into three separate pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT12X4YL or any 6x4 fitting.	(1 pc.) FRBC6X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

Order number of pieces required, in multiples of Standard Package Quantity.

4x4 and 6x4 FiberRunner® Mounting Brackets

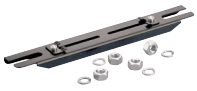
FR6TRBE12
FR6TRBE58
FR6TRBE12M
FR6TRBE58M

FR6TRBN12
FR6TRBN58
FR6TRBN12M
FR6TRBN58M

FR6ALB

FR6CS12
FR6CS58
FR6CS12M
FR6CS58M

FR6ACB12
FR6ACB58
FR6ACB12M
FR6ACB58M



FR6TB38
FR6TB12
FR6TB38M
FR6TB12M

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Existing Threaded Rod QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6TRBE12	Used to support the 6x4 and 4x4 systems from existing threaded rod installations. Bracket is secured to threaded rod with two split nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	10
FR6TRBE58		5/8"	1	10
FR6TRBE12M		12mm	1	10
FR6TRBE58M		16mm	1	10
New Threaded Rod QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6TRBN12	Used to support the 6x4 and 4x4 systems from any new threaded rod installations. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	10
FR6TRBN58		5/8"	1	10
FR6TRBN12M		12mm	1	10
FR6TRBN58M		16mm	1	10
Adjustable Ladder QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6ALB	Used to support the 6x4 and 4x4 systems attaching to any 3/8" (9.5mm) x 1 1/2" (38.1mm) or 3/8" (9.5mm) x 2" (50.8mm) ladder rack rail. Adjustable to nine incremental positions from 4" (101mm) to 12" (305mm) above or below the ladder rack. No threaded rod required. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—	1	10
Center Support QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6CS12	Used to support the 6x4 and 4x4 systems from below with new threaded rod. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps. Also can be secured directly to the top of cabinets.	1/2"	1	10
FR6CS58		5/8"	1	10
FR6CS12M		12mm	1	10
FR6CS58M		16mm	1	10
Top Support Adjustable "C" QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6ACB12	Used to support the 6x4 and 4x4 systems from any new threaded rod extending down directly from the ceiling, grid, or ladder rack system. Two position height adjustments to accommodate system with or without hinged cover. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	1/2"	1	10
FR6ACB58		5/8"	1	10
FR6ACB12M		12mm	1	10
FR6ACB58M		16mm	1	10
Trapeze QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6TB38	Used to support the 6x4 and 4x4 systems by spanning two threaded rod drops. Can be installed from above or below. Bracket is secured to each threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	3/8"	1	10
FR6TB12		1/2"	1	10
FR6TB38M		10mm	1	10
FR6TB12M		12mm	1	10

Continues on next page

4x4 and 6x4 FiberRunner® Mounting Brackets (continued)

FRTBWG12BL

FRTBWG18BL

FRTBWG24BL

FRTBWG30BL

FR6ACAB

F2PCLB12
F2PCLB58

FR6LRB

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
FRTBWG12BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 12" (305mm) width. Used to support FiberRunner® 4x4 and 6x4 Channel above or below the Wyr-Grid® 12" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB12BL bracket. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
FRTBWG18BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 18" (457mm) width. Used to support FiberRunner® 4x4, 6x4, and 12x4 Channel above or below the Wyr-Grid® 18" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB18BL bracket. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
FRTBWG24BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 24" (610mm) width. Used to support FiberRunner® 4x4, 6x4, and 12x4 Channel above or below the Wyr-Grid® 24" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB24BL bracket. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
FRTBWG30BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 30" (762mm) width. Used to support FiberRunner® 4x4, 6x4, 12x4, and 24x4 Channel above or below the Wyr-Grid® 30" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB30BL bracket. Quick mount clips, FRQMC24-X are not included for installing the 24x4 channel. These must be purchased separately. Hardware for attaching to threaded rod sold separately.	1/2" 12mm	1	10
Adjustable Cabinet QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6ACAB	Used to support the 6x4 and 4x4 systems attaching to the top of cabinets. Adjustable from 4 1/4" (108mm) to 9" (229mm) allowing runs to be leveled over uneven cabinet heights. Bracket is secured to the cabinet frame with through bolts (not included). The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—	1	—
Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" — 2" Ladder Rack				
F2PCLB12	Two-piece bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) or 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket halves slide into position and clamp together on the ladder rack rail, which allows for a one-handed assembly of the threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10
F2PCLB58		5/8"	1	10
Ladder Rack QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6LRB	Used to support the 6x4 and 4x4 systems attaching directly to any 3/8 (9.5mm) x 1 1/2" (38.1mm) or 3/8" (9.5mm) x 2" (50.8mm) ladder rack rail. No threaded rod required. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—	1	10

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Order number of pieces required, in multiples of Standard Package Quantity.

4x4 and 6x4 FiberRunner® Mounting Brackets (continued)

FR6LB

FR4PRB58

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
"L" Wall Mount QuikLock™ Bracket for 6x4 and 4x4 Systems				
FR6LB	Used to support the 6x4 and 4x4 systems attaching to a wall or the front or back of an equipment rack. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.	—	1	10
4 Post Rack Bracket				
FR4PRB58	Used to support 12x4, 6x4, and 4x4 systems attaching to the top of the 19" wide version of the Panduit NF4PR84 4 post rack. Contains all hardware required to assemble bracket to the top of the 4 post rack. Bracket accepts 5/8" threaded rod (not included).	5/8"	1	—

Adapters to Other Systems

FRADC12X4BL

FRADC6X4

FRADC4X4BL

FADC4X4

FTDNS4X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Adapter from 12x4 FiberRunner® System to ADC 12x4 FiberGuide*				
FRADC12X4BL	Fitting that transitions from ADC's 12x4 FiberGuide* System to 12x4 FiberRunner® System. Fitting has a black finish and is made from metal. Attachment hardware is included.	(1 pc.) FRBC12X4YL	1	5
Adapter from 6x4 FiberRunner® System to ADC 6x4 FiberGuide*				
FRADC6X4YL	Fitting that transitions from ADC's 6x4 FiberGuide* System to 6x4 FiberRunner® System. Bolts release using 3/8" nut driver to allow coupler to be removed, if necessary.	—	1	5
Adapter from 4x4 FiberRunner® System to ADC 4x4 FiberGuide*				
FRADC4X4BL	Fitting that transitions from ADC's 4x4 FiberGuide* System to 4x4 FiberRunner® System. Fitting has a black finish and is made from metal. Attachment hardware is included.	(1 pc.) FRBC4X4YL	1	5
Adapter from 4x4 Fiber-Duct™ System to ADC 4x4 FiberGuide*				
FADC4X4	Fitting that transitions from ADC's 4x4 FiberGuide* Fiber Cable Management System to 4x4 Fiber-Duct™ System. Fitting has a black finish and is made from metal. Attachment hardware is included.	—	1	5
Adapter from 4x4 Fiber-Duct™ System to Various 4x4 Systems				
FTDNS4X4YL	Fitting that transitions from various 4x4 systems to 4x4 Fiber-Duct™ System. Attachment hardware is included.	—	1	5

*FiberGuide is a registered trademark of TE Connectivity.

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K. Power Management
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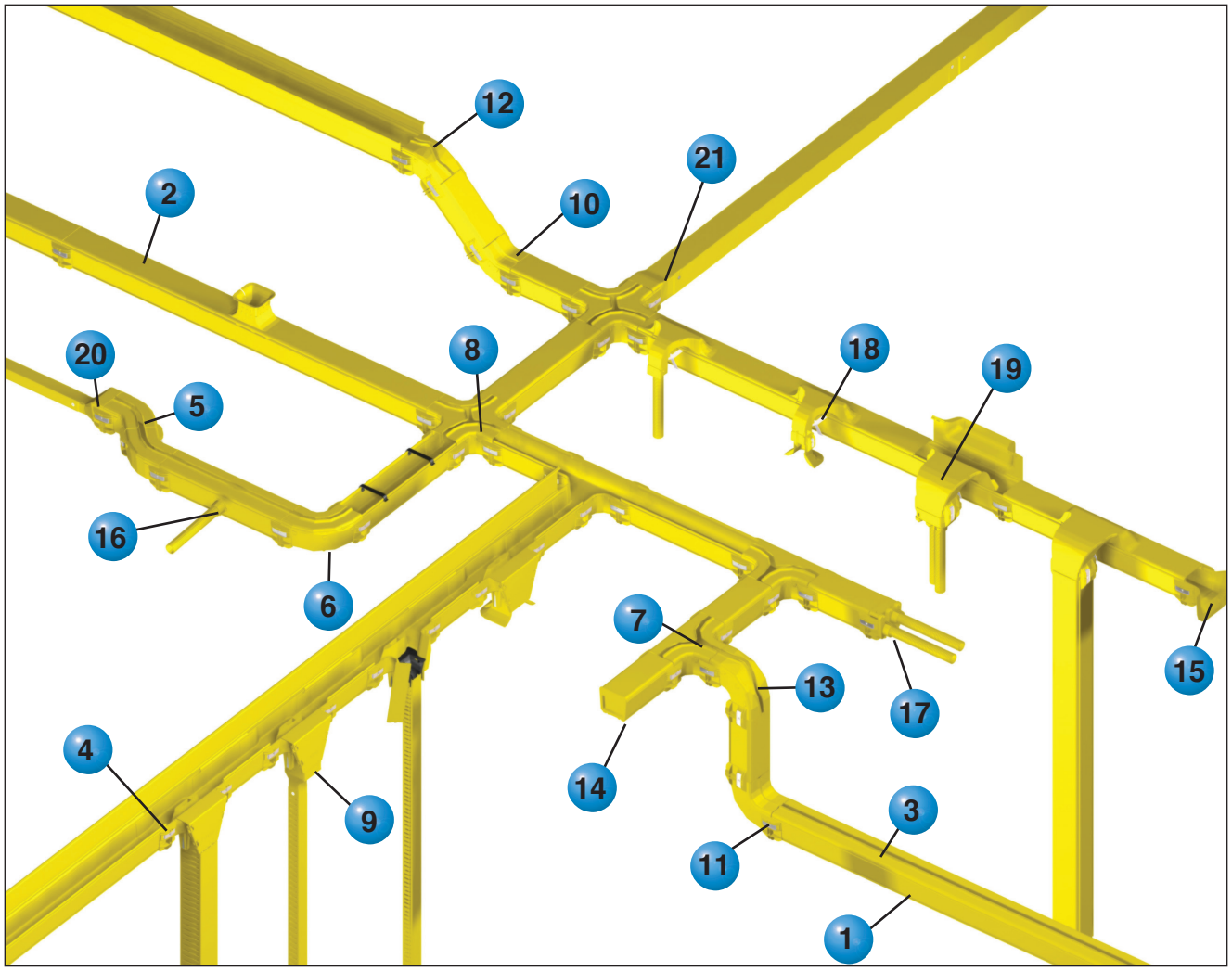
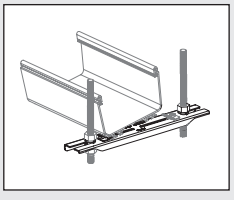
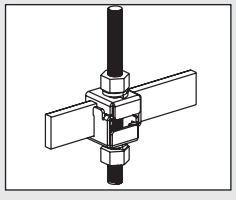
4x4 Routing System Roadmap



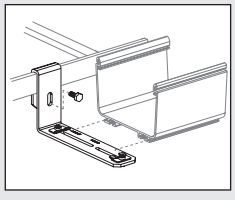
4x4 and 6x4 FiberRunner® Mounting Brackets



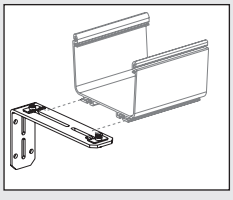
FR6TB38 – Trapeze QuikLock™ Bracket (page G.27)



F2PCLB – Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" – 2" Ladder Rack (page G.28)



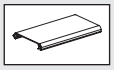
FR6LRB – Ladder Rack QuikLock™ Bracket (page G.28)



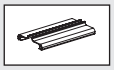
FR6LB – "L" Wall Mount QuikLock™ Bracket (page G.29)

Order number of pieces required, in multiples of Standard Package Quantity.

1 FR4X4**6 – 4x4 FiberRunner® Channel (page G.32)

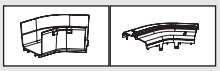


2 FRHC4**6 – 4x4 Snap-On Hinged Cover (page G.32)



3 FRSHC4**6 – 4x4 Split Hinged Cover (page G.32)

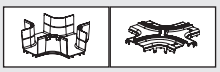
4 FRBC4X4** – 4x4 QuikLock™ Coupler (page G.33)



5 FRH454X4** – 4x4 Horizontal 45° Angle Fitting and FRH45SC4** – Optional Split Cover (page G.33)

6 FRRA4X4** – 4x4 Horizontal Right Angle Fitting and FRRASC4** – Optional Split Cover (page G.33)

7 FRT4X4** – 4x4 Horizontal Tee Fitting and FRTSC4** – Optional Split Cover (page G.33 and G.34)



8 FRFWC4X4** – 4x4 4-Way Cross Fitting and FRFWCSC4** – Optional Split Cover (page G.34)

9 FRVT4X4** – 4x4 QuikLock™ Vertical Tee (page G.35)

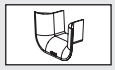
10 FRIV454X4** – 4x4 Inside Vertical 45° Angle Fitting (page G.34)

11 FRIVRA4X4** – 4x4 Inside Vertical 90° Angle Fitting (page G.34)

12 FROV454X4** – 4x4 Outside Vertical 45° Angle Fitting and FROV45SC4** – Optional Split Cover (page G.34)

13 FROVRA4X4** – 4x4 Outside Vertical Right Angle Fitting and FROVRASC4** – Optional Split Cover (page G.34 and G.35)

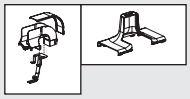
14 FREC4X4** – 4x4 End Cap Fitting (page G.34)



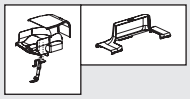
15 FRTR4X4** – 3-Sided BRC Trumpet Spillout for 4x4 FiberRunner® Exit (page G.36)

16 FR1.5IDE** – 1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing (page G.37)

17 FRIDT4X4** – 2-Port Spillout to 1.5" (38mm) inside diameter Corrugated Tubing (page G.36)



18 FRSPJ2X2** – Spill-Over Junction with 2x2 Exit and FRSPJC24** – Optional Cover for 4x4 System (page G.36)



19 FRSPJ4X4** – Spill-Over Junction with 4x4 Exit and FRSPJC44** – Optional Cover for 4x4 System (page G.36)

20 FRRF4FD2** – 4x4 FiberRunner® System to 2x2 Reducer Fitting with Cover (page G.35)

21 FRRF4FD4** – 4x4 FiberRunner® System to 4x4 Fiber-Duct™ Reducer Fitting with Cover (page G.35)

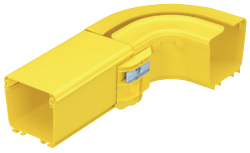
22 FRLPR42BL – Low Profile Reducer 4x4 to 2x2 for Vertical Tee (page G.37)

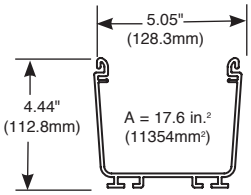
**Available colors: YL (Yellow), OR (Orange), and BL (Black).
Note: Additional 6x4 and 4x4 bracket applications, see page G.20.

4x4 FiberRunner® Routing System

Cable Fills for 4x4 FiberRunner® Cable Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.





4x4 FiberRunner® Cable Routing System								
Fill/Pile Up	Internal Area (in²)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	8.9	1142	731	325	108	79	50	79
3" Pile Up	13.58	1743	1116	496	165	120	77	120
4" Pile Up	17.6	2259	1446	643	213	156	100	156
50% Fill								
2" Pile Up	8.9	1428	914	406	135	98	63	98
3" Pile Up	13.58	2179	1394	620	206	150	96	150
4" Pile Up	17.6	2824	1807	803	267	195	124	195
60% Fill								
2" Pile Up	8.9	1714	1097	487	162	118	76	118
3" Pile Up	13.58	2615	1673	744	247	180	115	180
4" Pile Up	17.6	3389	2169	964	320	233	149	233

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.

4x4 FiberRunner® Routing System – Channel and Covers

- Robust 4x4 system ideal for use with smaller cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit® FiberRunner® and Panduit® Fiber-Duct™ Routing Systems, cable management, and racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3

FR4X4

FRHC4

FRSHC4

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
4x4 FiberRunner® Channel			
FR4X4YL6	Used to carry the cables horizontally throughout the system. Accepts hinged cable retainers FRCR4BL-X, hinged cover FRHC4YL6, or split hinged cover FRSHC4YL6. Use QuikLock™ Coupler FRBC4X4YL to attach channel and/or fittings.	6	36
4x4 Snap-On Hinged Cover			
FRHC4YL6	Optional snap-on hinged cover for channel FR4X4YL6. Hinge feature enables positioning of cover at angles between 30° to 90°.	6	36
4x4 Split Hinged Cover			
FRSHC4YL6	Optional split hinged cover for the channel FR4X4YL6. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables. Snap-on hinge feature enables positioning of cover at angles between 30° and 90°.	6	36

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).
Order number of feet required, in multiples of standard 6' length increments.

Order number of pieces required, in multiples of Standard Package Quantity.

4x4 FiberRunner® QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FRBC4X4YL	Pre-assembled coupler quickly joins two sections of channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 3/8" nut driver to allow coupler to be removed if necessary.	1	5

For a bulk package of 20 couplers, order FRBC4X4YL-E.
For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

4x4 FiberRunner® System Fittings

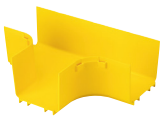
- Minimum 2" (50.8mm) bend radius control fittings
- Protects against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers
- Optional split covers snap onto each fitting
- Covers feature 3/4" (19mm) gap to allow cable to be laid in

FRRA4X4

FRRASC4

FRH454X4

FRH45SC4



FRT4X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
4x4 Horizontal Right Angle Fitting				
FRRA4X4YL	Attaches to 4x4 channel and/or fitting to create a 90° horizontal turn from a straight horizontal run. Accepts optional split cover FRRASC4YL.	(2 pcs.) FRBC4X4YL	1	5
Split Cover for 4x4 Horizontal Right Angle Fitting				
FRRASC4YL	Optional split cover for the horizontal right angle fitting FRRA4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
4x4 Horizontal 45° Angle Fitting				
FRH454X4YL	Attaches to 4x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run. Accepts optional split cover FRH45SC4YL.	(2 pcs.) FRBC4X4YL	1	5
Split Cover for 4x4 Horizontal 45° Angle Fitting				
FRH45SC4YL	Optional split cover for the horizontal 45° angle fitting FRH454X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
4x4 Horizontal Tee Fitting				
FRT4X4YL	Attaches to 4x4 channel and/or fittings to create a 90° horizontal branch from straight horizontal runs. Accepts optional split cover FRTSC4YL.	(3 pcs.) FRBC4X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

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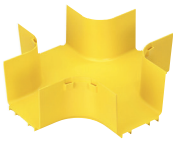
4x4 FiberRunner® System Fittings (continued)

FRTSC4


FRFWC4X4

FRH454X4YL

FREC4X4

FRIVRA4X4

FRIV454X4

FROV454X4

FROV45SC4

FROVRA4X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Split Cover for 4x4 Horizontal Tee Fitting				
FRTSC4YL	Optional split cover for the horizontal tee fitting FRT4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
4x4 Four Way Cross Fitting				
FRFWC4X4YL	Attaches to 4x4 channel and/or fittings to create a horizontal four way cross intersection. Accepts optional split cover FRFWCSC4YL.	(4 pcs.) FRBC4X4YL	1	5
Split Cover for 4x4 Four Way Cross Fitting				
FRH454X4YL	Optional split cover for the four way cross fitting FRFWC4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
4x4 End Cap Fitting				
FREC4X4YL	Used for closing off open ends of the channel or fittings. No coupler required. Push-on installation.	—	1	5
4x4 Inside Vertical 90° Angle Fitting				
FRIVRA4X4YL	Attaches to 4x4 channel and/or fittings to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FROVRA4X4YL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC4X4YL	1	5
4x4 Inside Vertical 45° Angle Fitting				
FRIV454X4YL	Attaches to 4x4 channel and/or fittings to create a 45° upward angle from a horizontal run. Used with outside vertical 45° angle fitting FROV454X4YL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC4X4YL	1	5
4x4 Outside Vertical 45° Angle Fitting				
FROV454X4YL	Attaches to 4x4 channel and/or fittings to create a 45° downward angle from a horizontal run. Used with inside vertical 45° angle fitting FRIV454X4YL to change level of a straight horizontal run. Accepts optional split cover FROV45SC4YL.	(2 pcs.) FRBC4X4YL	1	5
Split Cover for 4x4 Outside Vertical 45° Angle Fitting				
FROV45SC4YL	Optional split cover for the outside vertical 45° angle fitting FROV454X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
4x4 Outside Vertical Right Angle Fitting				
FROVRA4X4YL	Attaches to 4x4 channel and/or fittings to create a 90° vertical turn down from a straight horizontal run. Accepts optional split cover FROVRASC4YL.	(2 pcs.) FRBC4X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black)

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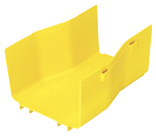
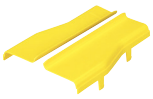
Order number of pieces required, in multiples of Standard Package Quantity.

4x4 FiberRunner® System Fittings (continued)

FROVRASC4



FRRF6FR4



FRRF6FR4SC

FRRF4FD2

FRRF4FD4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
Split Cover for 4x4 Outside Vertical Right Angle Fitting				
FROVRASC4YL	Optional split cover for the outside vertical right angle fitting FROVRA4X4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
6x4 to 4x4 FiberRunner® Reducer Fitting				
FRRF6FR4YL	Attaches any 6x4 FiberRunner® Fitting or Channel to any 4x4 FiberRunner® Fitting or Channel. Accepts split cover FRRF6FR4SCYL.	(1 pc.) FRBC6X4YL (1 pc.) FRBC4X4YL	1	5
Split Cover for 6x4 to 4x4 FiberRunner® Reducer Fitting				
FRRF6FR4SCYL	Optional split cover for the 6x4 FiberRunner® to 4x4 FiberRunner® Reducer Fitting FRRF6FR4YL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 3/4" (19mm) opening for easy access to add or remove cables.	—	1	5
4x4 FiberRunner® to 2x2 Reducer Fitting with Cover				
FRRF4FD2YL	Attaches any 4x4 FiberRunner® Fitting or Channel to the 2x2 Fiber-Duct™ Channel, S2X2YL6 or E2X2YL6 or 2x2 FiberRunner® Channel, HS2X2YL6 or H2X2YL6. Note: Attachment to 2x2 FiberRunner® Channel requires a QuikLock™ Coupler FBC2X2YL. Includes solid cover.	(1 pc.) FRBC4X4YL	1	5
4x4 FiberRunner® to 4x4 Fiber-Duct™ Reducer Fitting with Cover				
FRRF4FD4YL	Attaches any 4x4 FiberRunner® Fitting or Channel to the 4x4 Fiber-Duct™ Channel, S4X4YL6 or E4X4YL6. Includes solid cover.	(1 pc.) FRBC4X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

4x4 FiberRunner® System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2" (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing
- Spill-over junction fittings can be retro-fitted to existing horizontal runs

FRVT4X4

FTR4X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
4x4 QuikLock™ Vertical Tee Spillout				
FRVT4X4YL	Attaches to 4x4 channel and/or fittings to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts FTR4X4YL, FIDT4X4BL, S4X4YL6 or E4X4YL6 directly. Accepts optional snap-on cover FRHC4YL6 in conjunction with channel.	(2 pcs.) FRBC4X4YL	1	5
3-Sided Vertical Tee Trumpet Spillout				
FTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a 4x4 or 6x4 FiberRunner® Vertical Tee and 4x4 Fiber-Duct™ Fittings.	—	1	5

Continues on next page

4x4 FiberRunner® System Spillouts (continued)

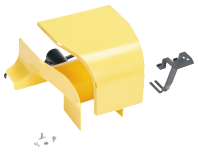
- Spill-overs allow safe transition from horizontal to vertical runs
- 2" (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing
- Spill-over junction fittings can be retro-fitted to existing horizontal runs

FIDT4X4BL

FRSPJ2X2YL

FRSPJC24

FTR2X2


FRSPJ4X4YL

FRSPJC44

FRTR4X4

FRIDT4X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT4X4BL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT6X4YL, FRVT4X4YL, or FVT4X4YL. Black color only.	—	1	5
Spill-Over Junction with 2x2 Exit				
FRSPJ2X2YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner® and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FBC2X2YL	1	—
Cover for Spill-Over Junction with 2x2 Exit for 4x4 Channel				
FRSPJC24YL	Used to fully enclose 4x4 channel in conjunction with the spill-over junction FRSPJ2X2YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a spill-over junction with a 2x2 exit or from 2x2 Fiber-Duct™ Channel.	(1 pc.) FBC2X2YL	1	5
Spill-Over Junction with 4x4 Exit				
FRSPJ4X4YL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner® Channel, spilling over the side into a 4x4 vertical exit. Requires coupler to attach 4x4 FiberRunner® Channel and fittings to the vertical exit. Mounts directly to existing installation with no alteration required. Mounting hardware provided for secure attachment.	(1 pc.) FRBC4X4YL	1	—
Cover for Spill-Over Junction with 4x4 Exit for 4x4 Channel				
FRSPJC44YL	Used to fully enclose 4x4 channel in conjunction with the spill-over junction FRSPJ4X4YL. Cover snaps onto the channel base. Hinged feature allows easy access to add or remove cables.	—	1	5
3-Sided BRC Trumpet Spillout for 4x4 FiberRunner® Exit				
FRTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 4x4 FiberRunner® Channel or a 4x4 FiberRunner® Horizontal Tee.	(1 pc.) FRBC4X4YL	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FRIDT4X4YL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Requires coupler to be used with 4x4 FiberRunner® Fitting. Used with any 4x4 FiberRunner® Fitting.	(1 pc.) FRBC4X4YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

Order number of pieces required, in multiples of Standard Package Quantity.

FiberRunner® Accessories

FRHD4KT

TRC4HD

FRLPR64

FRLPR42

FRHD2KT

FTRC2HDBL

FIDT2X2

FR1.5IDE

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
4x4 Hinged Duct Vertical Cable Manager Kit				
FRHD4KTYL	Provides secure, accessible route for cables spilling out from vertical tee to rack mounted equipment. Kit includes 6' length of 4x4 capacity hinged duct, 6' length of 4x4 hinged duct cover, one end cap for 4x4 hinged duct, three FZBA1.5X4 adjustable "Z" brackets, an adapter fitting, six WR4-C wire retainers and all required mounting hardware. Attaches directly to 6x4 and 4x4 vertical tee exit or FRLPR64 low profile reducer.	—	1	—
4x4 Hinged Duct Bend Radius Control Trumpet				
TRC4HDBL	Bend radius control trumpet for exiting at the sidewall of 4" wall heights of type H hinged cover wiring duct channels. Maintains 1" (25.4mm) bend radius control. Black color only.	—	1	10
Low Profile Reducer 6x4 to 4x4 for Vertical Tee				
FRLPR64BL	Assembled into the 12x4 vertical tee FRVT12X4YL. The FRLPR64BL allows for the transition to 4x4 Fiber-Duct™ Channel with minimal space required. No tools required for assembly. Black color only.	—	1	5
Low Profile Reducer 4x4 to 2x2 for Vertical Tee				
FRLPR42BL	Assembled into the 6x4 vertical tee FRVT6X4YL or 4x4 vertical tee FRVT4X4YL with an audible snap, the FRLPR42BL allows for the transition to 2x2 FiberRunner® or 2x2 Fiber-Duct™ Channel with minimal space required. No tools required for assembly. Black color only.	—	1	5
2x2 Hinged Duct Vertical Cable Manager Kit				
FRHD2KTYL	Provides secure, accessible route for cables spilling out from a vertical tee or spill-over junction to rack mounted equipment. Kit includes 6' length of 2x2 FiberRunner® Hinged Channel H2X2YL6, 6' length of 2x2 snap-on hinged cover HC2YL6, four adjustable "Z" brackets FZBA1.5X4, one FiberRunner® 2x2 End Cap FHDEC2X2YL, six hinged duct 2" wire retainers WR2H-C and all required mounting hardware. Attaches to 2x2 vertical tee exit or spill-over junction with a 2x2 exit with a 2x2 QuikLock™ Coupler FBC2X2YL. Also attaches directly to 4x4 or 6x4 vertical tee exits with low profile reducer FRLPR42BL.	—	1	—
2x2 FiberRunner® Bend Radius Control Trumpet				
FTRC2HDBL	Bend radius control trumpet for exiting at the sidewall of 2" wall heights of type H hinged cover wiring duct channels. Maintains 1" (25.4mm) bend radius control. Black color only.	—	1	5
1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT2X2YL	Used to route cable into one piece of 1.5" (38mm) diameter split corrugated tubing. Used with a spill-over junction with a 2x2 exit, 2x2 Fiber-Duct™ Fittings, and the 2x2 FiberRunner® Hinged Channel. Securely holds split corrugated tubing to ensure system integrity and easy access to add or remove cables.	—	1	5
1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FR1.5IDEYL	Used to route cable into 1.5" (38mm) diameter split corrugated tubing directly through a hole cut in the side wall of the 4x4, 6x4, and 12x4 FiberRunner® Channel or 4x4 Fiber-Duct™ Channel. Provides 1" (25.4mm) bend radius control at the exit. Securely holds split corrugated tubing to ensure system integrity and easy access to add or remove cables. Includes drilling template.	—	1	5

Continues on next page

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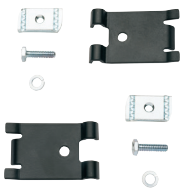
FiberRunner® Accessories (continued)

FR716DR



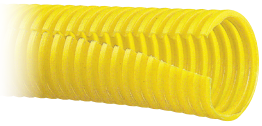
FRSTRCBL

FRTBKT-X

FRQMC-X

TR1-12-X
TR1-58-X

TRC18FR-X8Y



CLT150F-X4

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
3/8" Nut Driver				
FR38DR	Used to dissassemble 4x4, 6x4, and 12x4 FiberRunner® QuikLock™ Couplers when required.	—	1	10
7/16" Nut Driver				
FR716DR	7/16" nut driver for use with the FiberRunner®, GridRunner®, and Wyr-Grid® Systems.	—	1	10
5/16" Nut Driver				
FR516DR	Used to disassemble 2x2 FiberRunner® QuikLock™ Couplers when required.	—	1	10
Strut Clip Kit				
FRSTRCBL	Strut mounting clip assembly allows FiberRunner® Channel to be attached directly to standard 1 5/8" wide strut structures. Contains two clips and all hardware for assembly. Bolts release with 7/16" nut driver.	—	1	10
1/4" T-Bolt Kit				
FRTBKT-X	T-bolts can be used for additional attachment when securing FiberRunner® Channel to mounting brackets. For example, a T-bolt can be inserted thru a 12x4 mounting bracket and positioned within the center rib structure on the underside of 12x4 channel. By tightening the nut, the 12x4 channel is more securely fastened to the mounting bracket.	—	10	100
FiberRunner® Quick Mount Clips				
FRQMC-X	Used wherever additional FiberRunner® Slide Clamps would be helpful. For example, use on 12x4 FiberRunner® QuikLock™ Brackets to accommodate dual runs of 6x4 or 4x4 FiberRunner® Channel.	1/2"	10	—
Threaded Rod in One Foot Lengths				
TR1-12-X	Threaded rod can be used with various mounting brackets. Length = 12" (305mm).	1/2"	10	—
TR1-58-X	Threaded rod can be used with various mounting brackets. Length = 12" (305mm).	5/8"	10	—
Threaded Rod Cover				
TRC18FR-X8Y	Used to protect cabling from threaded rod. Vertical slit allows easy installation. For indoor use only. Gray.	1/2" – 5/8"	10	100
TRC18FR-X20Y	Used to protect cabling from threaded rod. Vertical slit allows easy installation. Black.	1/2" – 5/8"	10	100
Slit Corrugated Loom Tubing				
CLT150F-X4*	Slit corrugated loom tubing provides a vertical pathway as cables transfer from the FiberRunner® Fitting to the equipment below. Inside diameter is 1.48" (37.6mm) and outside diameter 1.73" (43.9mm). Sold in 10' rolls.	—	1	—

*For other colors replace X4 (Yellow) with X3 (Orange) or X20 (Black).

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

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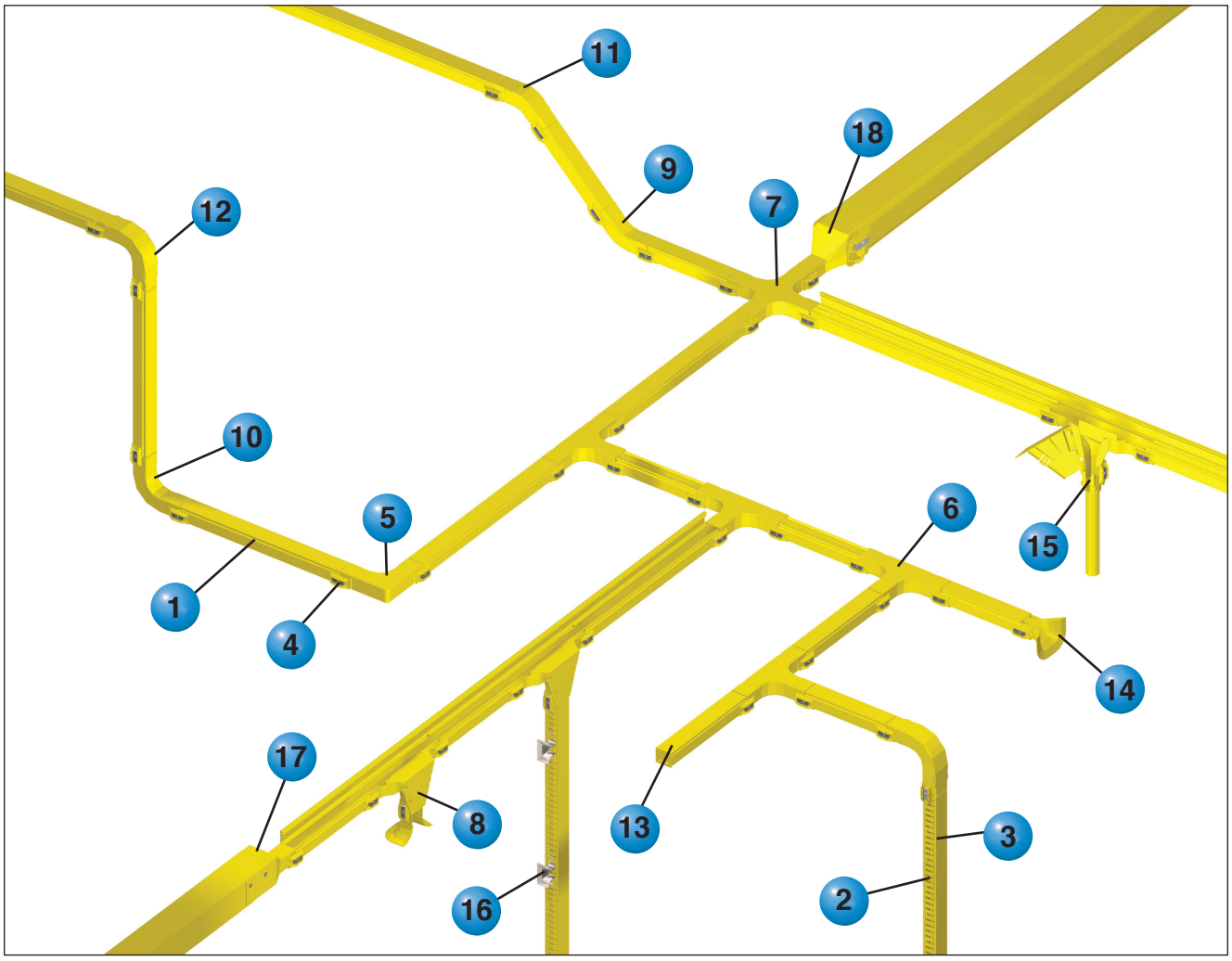
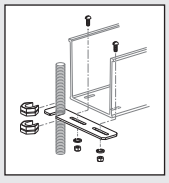
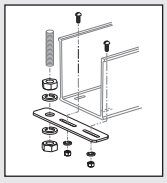
2x2 Routing System Roadmap



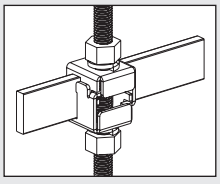
Fiber-Duct™ Mounting Brackets



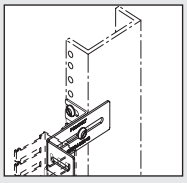
FTRBE12 – Existing Threaded Rod Bracket (page G.52)



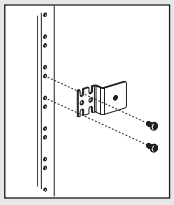
FTRBN12 – New Threaded Rod Bracket (page G.52)



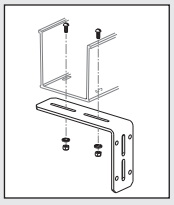
F2PCLB12 – Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" – 2" Ladder Rack (page G.53)



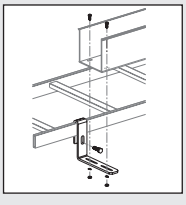
FZBA1.5X4 – Adjustable "Z" Bracket (page G.52)



FZBLP – Low Profile "Z" Bracket (page G.52)

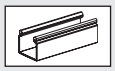


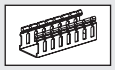
FLB – "L" Wall Mount Bracket (page G.52)

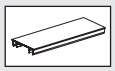


FLRB – Ladder Rack Bracket (page G.52)

Order number of pieces required, in multiples of Standard Package Quantity.


1 HS2X2**6 – 2x2 FiberRunner® Hinged Channel (page G.42)

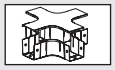

2 H2X2**6 – 2x2 FiberRunner® Hinged Slotted Channel (page G.42)


3 HC2**6 – 2x2 FiberRunner® Snap-On Hinged Cover (page G.42)

4 FBC2X2** – 2x2 QuikLock™ Coupler (page G.43)

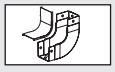
5 FRA2X2** – 2x2 Horizontal Right Angle Fitting (page G.49)

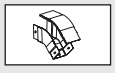
6 FT2X2** – 2x2 Horizontal Tee Fitting (page G.49)

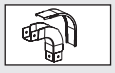

7 FFWC2X2** – 2x2 4-Way Cross Fitting (page G.50)

8 FVTHD2X2** – 2x2 Vertical Tee (page G.43)

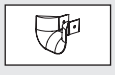
9 FIV452X2** – 2x2 Inside Vertical 45° Angle Fitting (page G.50)

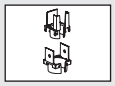

10 FIVRA2X2** – 2x2 Inside Vertical Right Angle Fitting (page G.50)


11 FOV452X2** – 2x2 Outside 45° Angle Fitting (page G.50)

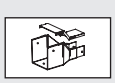

12 FOVRA2X2** – 2x2 Outside Vertical Right Angle Fitting (page G.50)

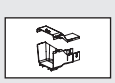
13 FHDEC2X2** – 2x2 End Cap Fitting (page G.43)


14 FTR2X2** – 3-Sided BRC Trumpet Spillout for 2x2 Exit (page G.43)


15 FIDT2X2** – 1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing (page G.51)

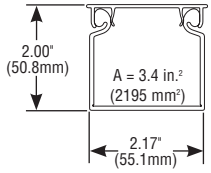
16 FTRC2HDBL – 2x2 Hinged Channel 1" Bend Radius Control Trumpet (page G.37)


17 FRF42** – 4x4 to 2x2 Fiber-Duct™ Reducer Fitting (page G.50)


18 FRRF4FD2** – 4x4 FiberRunner® to 2x2 Reducer Fitting (page G.35)

**Available colors: YL (Yellow), OR (Orange), BL (Black), and LG (Light Gray).

c UL us LISTED 2x2 FiberRunner® Routing System



Cable Fills for 2x2 FiberRunner® Cable Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.

2x2 FiberRunner® Routing System								
Fill/Pile Up	Internal Area (in²)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	3.40	436	279	124	41	30	19	30
50% Fill								
2" Pile Up	3.40	546	349	155	52	38	24	38
60% Fill								
2" Pile Up	3.40	655	419	186	62	45	29	45

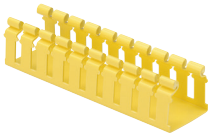
Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.

2x2 FiberRunner® Routing System – Channels and Cover

- 2x2 system ideal for use with smaller cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit® FiberRunner® and Panduit® Fiber-Duct™ Routing Systems, cable management, and racks
- 2x2 FiberRunner® Hinged and Slotted Channels can be used with 2x2 Fiber-Duct™ fittings (see page G.49 and G.50) and brackets (see pages G.52 and G.53)
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3

HS2X2



H2X2

HC2

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
2x2 FiberRunner® Hinged Channel			
HS2X2YL6NM	Used to carry the cables throughout the system. Accepts hinged cover HC2YL6. Use QuikLock™ Coupler FBC2X2YL to attach channel and/or fittings.	6	120
2x2 FiberRunner® Hinged Slotted Channel			
H2X2YL6	Used to carry the cables vertically to the front or the back of equipment racks throughout the system. Accepts hinged cover HC2YL6. Extra supports required when used in horizontal applications. Use QuikLock™ Coupler FBC2X2YL to attach channel and/or fittings.	6	120
2x2 Snap-On Hinged Cover			
HC2YL6	Optional snap-on cover for hinged channel HS2X2YL6 or H2X2YL6. The innovative cover can hinge open to 90° from either side of the channel and be removed completely if desired.	6	120

NOTE: Available with mounting holes. To order, delete NM from the part number.
For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).
Order number of feet required, in multiples of standard 6' length increments.

Order number of pieces required, in multiples of Standard Package Quantity.

2x2 FiberRunner® QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FBC2X2YL	Pre-assembled coupler quickly joins two sections of hinged channel and/or fittings. Mechanically attaches without tightening bolts. Bolts release using 5/16" nut driver to allow coupler to be removed if necessary.	1	5

For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).

2x2 FiberRunner® System Fitting

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FHDEC2X2YL	Used for closing off open ends of the hinged channel or fittings. No coupler required. Push-on installation.	1	5

For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).

2x2 FiberRunner® System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2" bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing

FVTHD2X2

FTR2X2

Part Number	Part Description	Couplers Required	Std. Pkg. Qty.	Std. Ctn. Qty.
2x2 Vertical Tee				
FVTHD2X2YL	Attaches to 2x2 channel to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts channel cover in conjunction with channel. Use QuikLock™ Coupler FBC2X2YL with HS2X2YL6 or H2X2YL6 channels. Use snap rivets NR2WH-L or bolts F14PN-L with S2X2YL6 or E2X2YL6 channels. Also accepts FIDT2X2YL.	(2 pcs.) FBC2X2YL	1	5
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a FiberRunner® Spill-Over FRSPYL or from 2x2 Fiber-Duct™ Channel.	(1 pc.) FBC2X2YL	1	5

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).

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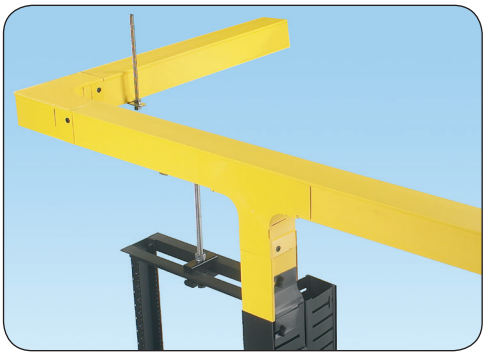
Order number of pieces required, in multiples of Standard Package Quantity.

Fiber-Duct™ Routing Systems

Panduit provides leading solutions for cable routing. These routing products are compatible with our cable management solutions increasing the ability to maintain an orderly and clean work environment, implement quick and easy moves, adds, and changes, and maintain the integrity of fiber and copper cabling plant in order to maximize long-term performance.



- **Two system sizes available: 4x4 and 2x2**
- **Minimum 2" (50.8mm) bend radius fittings protect against signal loss due to excessive cable bends**
- **Optimized for use with Pan-Net® Network Solutions**
- **Snap-on non-slip covers**
- **Compatible with Panduit® FiberRunner® 12x4, 6x4, 4x4, and 2x2 Routing Systems**

The 2x2 and 4x4 Fiber-Duct™ Routing Systems are comprised of channel, fittings, and brackets designed to segregate, route, and protect fiber optic and copper cabling to and between racks within the telecommunications room.

As part of the Panduit Data Center Solution, Fiber-Duct™ Routing Systems offers secure, reliable system integration and risk management within the physical infrastructure.

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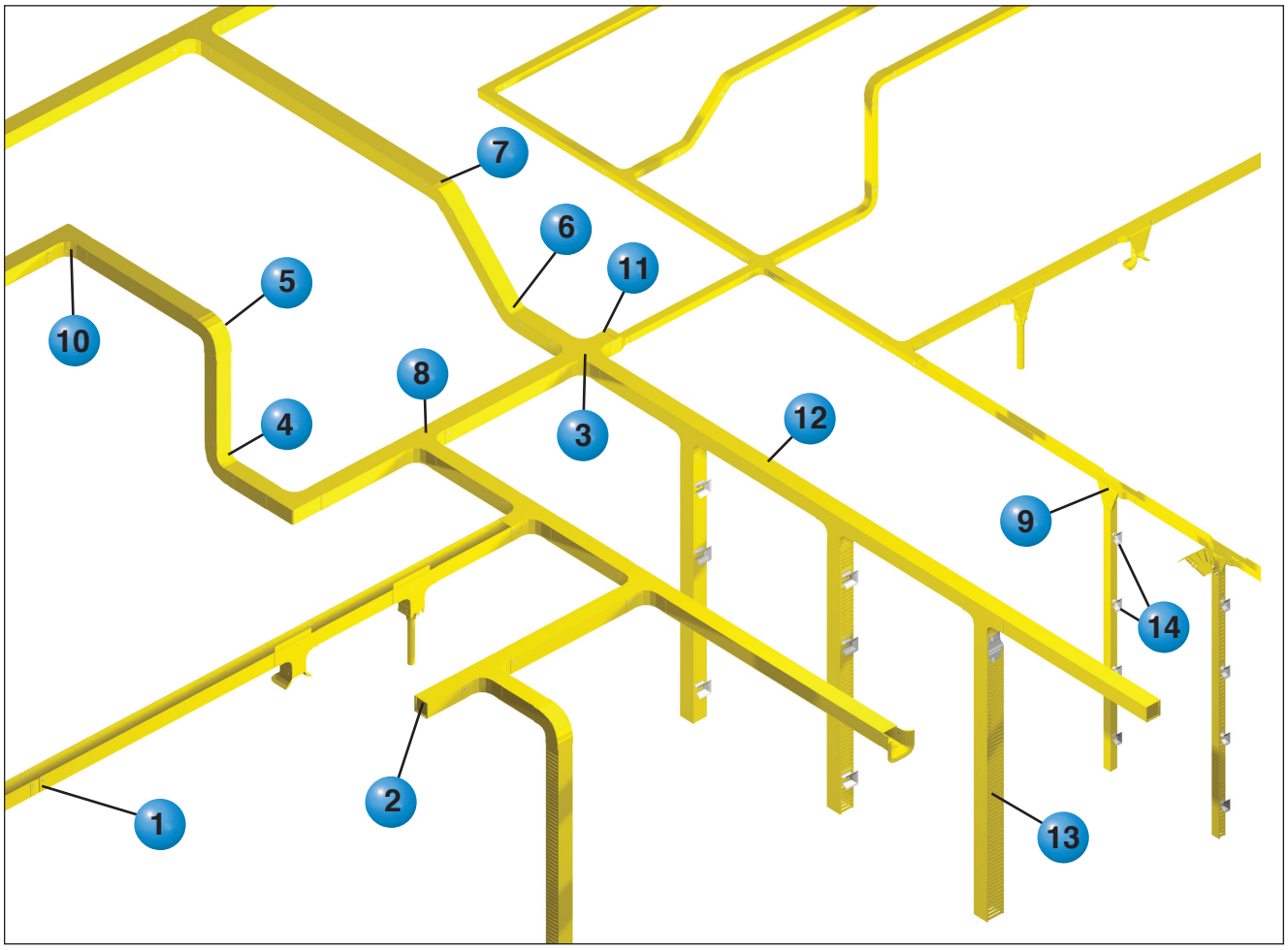
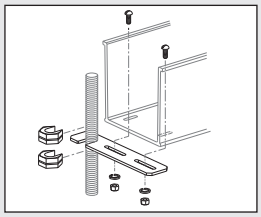
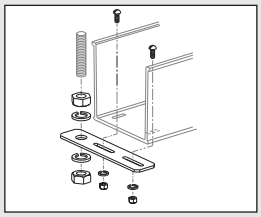
2x2 and 4x4 Fiber-Duct™ Routing Systems Roadmap



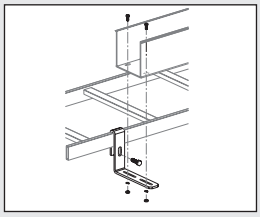
Fiber-Duct™ Mounting Brackets



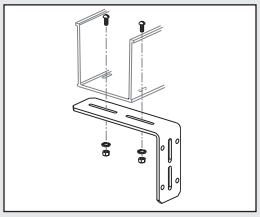
FTRBE12 – Existing Threaded Rod Bracket (page G.52)



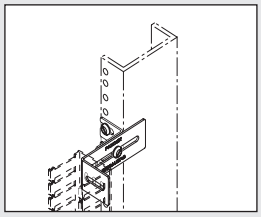
FTRBN12 – New Threaded Rod Bracket (page G.52)



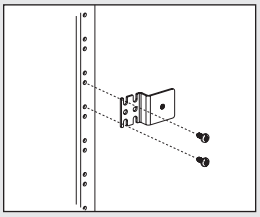
FLRB – Ladder Rack Bracket (page G.52)



FLB – "L" Wall Mount Bracket (page G.52)

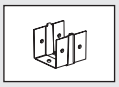


FZBA1.5X4 – Adjustable "Z" Bracket (page G.52)

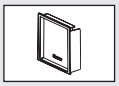


FZBLP – Low Profile "Z" Bracket (page G.52)

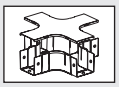
Order number of pieces required, in multiples of Standard Package Quantity.



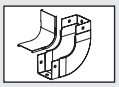
1 FCF2X2** and FCF4X4 – Coupler Fitting (page G.49)



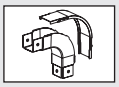
2 FEC2X2** and FEC4X4** – End Cap Fitting (page G.50)



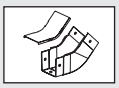
3 FFWC2X2** and FFWC4X4** – 4-Way Cross Fitting (page G.50)



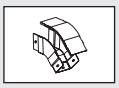
4 FIVRA2X2** and FIVRA4X4** – Inside Vertical Right Angle (page G.50)



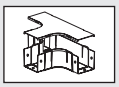
5 FOVRA2X2** and FOVRA4X4** – Outside Vertical Right Angle (page G.50)



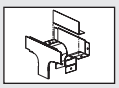
6 FIV452X2** and FIV454X4** – Inside Vertical 45° Angle (page G.50)



7 FOV452X2** and FOV454X4** – Outside Vertical 45° Angle (page G.50)

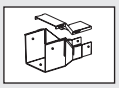


8 FT2X2** and FT4X4** – Horizontal Tee Fitting (page G.49)

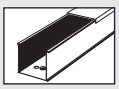


9 FVT4X4** – 4x4 Vertical Tee (page G.51)

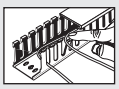
10 FRA2X2** – FRA4X4** – Right Angle Fitting (page G.49)



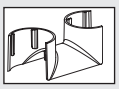
11 FRF42** – 4x4 to 2x2 Fiber-Duct™ Reducer Fitting (page G.50)



12 S2X2**6NM and S4X4**6NM Fiber-Duct™ Channel (page G.49)



13 E2X2**6 and E4X4**6 Fiber-Duct™ Slotted Channel (page G.49)



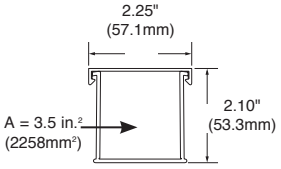
14 TRC2BL and TRC4BL – Bend Radius Control Trumpet (page G.51)

**Available colors: YL (Yellow), OR (Orange), BL (Black), and LG (Light Gray).

2x2 and 4x4 Fiber-Duct™ Routing Systems

Cable Fills for 2x2 and 4x4 Fiber-Duct™ Cable Routing Systems

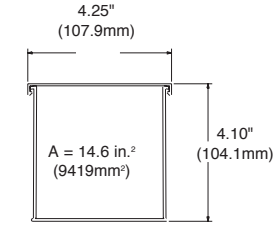
The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.



2x2 Fiber-Duct™ Cable Routing System								
Fill/Pile Up	Internal Area (in2)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	3.5	449	288	128	42	31	20	31
50% Fill								
2" Pile Up	3.5	562	359	160	53	39	25	39
60% Fill								
2" Pile Up	3.5	674	431	192	64	46	30	46

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.



4x4 FiberRunner® Cable Routing System								
Fill/Pile Up	Internal Area (in²)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	7.6	976	624	277	92	92	43	67
3" Pile Up	11.3	1450	928	496	137	100	64	100
4" Pile Up	14.6	1874	1199	533	177	129	83	129
50% Fill								
2" Pile Up	7.6	1219	780	347	115	84	54	84
3" Pile Up	11.3	1813	1160	516	171	125	80	125
4" Pile Up	14.6	2343	1499	666	221	161	103	161
60% Fill								
2" Pile Up	7.6	1463	936	416	138	101	65	101
3" Pile Up	11.3	2176	1392	619	205	150	96	150
4" Pile Up	14.6	2811	1799	800	265	194	124	194

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

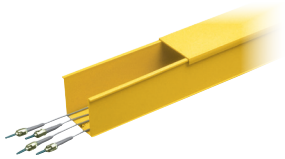
The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, contact Panduit Customer Service.

Continues on next page

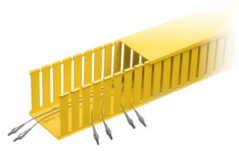
Order number of pieces required, in multiples of Standard Package Quantity.

c UL us LISTED 2x2 and 4x4 Fiber-Duct™ Routing Systems (continued)

- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Snap-on non-slip covers
- Fittings have 2" bend radius control
- Compatible with Panduit® FiberRunner® 2x2, 4x4, 6x4 and 12x4 Routing Systems



S2X2
S4X4



E2X2
E4X4

C2
C4

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Fiber-Duct™ Channel				
S2X2YL6NM	Used to carry the cables throughout the Fiber-Duct™ Routing System. Accepts cover C2YL6. Cover sold separately.	2x2	6	120
S4X4YL6NM	Used to carry the cables throughout the Fiber-Duct™ Routing System. Accepts cover C4YL6. Cover sold separately.	4x4	6	60
Fiber-Duct™ Slotted Channel				
E2X2YL6	Used to carry the cables vertically to the front or the back of equipment racks throughout the system. Accepts cover C2YL6. Extra supports required when used in horizontal applications. Cover sold separately.	2x2	6	120
E4X4YL6	Used to carry the cables vertically to the front or the back of equipment racks throughout the system. Accepts cover C4YL6. Extra supports required when used in horizontal applications. Cover sold separately.	4x4	6	60
Fiber-Duct™ Cover				
C2YL6	Cover for Fiber-Duct™ Channel and Fiber-Duct™ Slotted Channel. Non-slip cover design incorporates integral high friction lining to inhibit cover movement.	2x2	6	120
C4YL6	Cover for Fiber-Duct™ Channel and Fiber-Duct™ Slotted Channel. Non-slip cover design incorporates integral high friction lining to inhibit cover movement.	4x4	6	120

NOTE: Available with mounting holes. To order, delete NM from the part number.
For fastest installation use NR2WH-L or NR4BL-L snap rivets.
For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).
Order number of feet required, in multiples of standard 6' length increments.

Fiber-Duct™ System Fittings

FCF2X2
FCF4X4

FRA2X2
FRA4X4

FT2X2
FT4X4

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Coupler Fitting				
FCF2X2YL	Used to join two sections of duct together. Fiber-Duct™ Coupler is not required at each fitting connection.	2x2	1	5
FCF4X4YL		4x4	1	5
Horizontal Right Angle Fitting				
FRA2X2YL	Attaches to channel to create a 90° horizontal turn from a straight horizontal run. Cover included.	2x2	1	5
FRA4X4YL		4x4	1	5
Horizontal Tee Fitting				
FT2X2YL	Attaches to channel to create a 90° horizontal branch from a straight horizontal run. Cover included.	2x2	1	5
FT4X4YL		4x4	1	5

Continues on next page

Fiber-Duct™ System Fittings (continued)

FFWC2X2
FFWC4X4

FEC2X2
FEC4X4

FIV452X2
FIV454X4

FOV452X2
FOV454X4

FIVRA2X2
FIVRA4X4

FOVRA2X2
FOVRA4X4

FRF42

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Four Way Cross Fitting				
FFWC2X2YL	Attaches to channel to create a horizontal four way cross intersection. Cover included.	2x2	1	5
FFWC2X2YL		4x4	1	5
End Cap Fitting				
FEC2X2YL	Used for closing off open ends of the channel. No coupler required. Push-on installation.	2x2	1	5
FEC4X4YL		4x4	1	5
Inside Vertical 45° Angle Fitting				
FIV452X2YL	Attaches to channel to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FOV452X2YL or FOV454X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FIV454X4YL		4x4	1	5
Outside Vertical 45° Angle Fitting				
FOV452X2YL	Attaches to channel to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FIV452X2YL or FIV454X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FOV454X4YL		4x4	1	5
Inside Vertical Right Angle Fitting				
FIVRA2X2YL	Attaches to channel to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FOVRA2X2YL or FOVRA4X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FIVRA4X4YL		4x4	1	5
Outside Vertical Right Angle Fitting				
FOVRA2X2YL	Attaches to channel to create a 90° downward angle from a straight horizontal run. Used with inside vertical 90° angle fitting FIVRA2X2YL or FIVRA4X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FOVRA4X4YL		4x4	1	5
4x4 to 2x2 Fiber-Duct™ Reducer Fitting				
FRF42YL	Joins any 4x4 Fiber-Duct™ Fitting to the 2x2 Fiber-Duct™ Channel, S2X2YL6 or E2X2YL6. Includes cover.	2x2 4x4	1	5

For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).
Fittings include 5/16" assembly holes for fast mechanical fastening.

Fiber-Duct™ Spillouts

FVTHD2X2

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
2x2 Vertical Tee				
FVTHD2X2YL	Attaches to 2x2 channel to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts channel cover in conjunction with channel. Use QuikLock™ Coupler FBC2X2YL with HS2X2YL6 or H2X2YL6 channels. Use snap rivets NR2WH-L or bolts F14PN-L with S2X2YL6 or E2X2YL6 channels. Also accepts FIDT2X2YL.	2x2	1	5

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Fiber-Duct™ Spillouts (continued)

FTR2X2

FIDT2X2

FVT4X4

FTR4X4

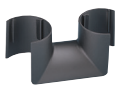
FIDT4X4BL

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a FiberRunner® Spill-Over FRSPYL or from 2x2 Fiber-Duct™ Channel.	2x2	1	5
1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT2X2YL	Used to route cable into one piece of 1.5" (38mm) diameter split corrugated tubing. Used with FiberRunner® Spill-Over FRSPYL, 2x2 Fiber-Duct™ Fittings, and the 2x2 FiberRunner® Hinged Channel.	2x2	1	5
4x4 Vertical Tee				
FVT4X4YL	Attaches to channel to create a 90° vertical drop from a horizontal run. Accepts FIDT4X4BL, FTR4X4YL, S4X4YL6 or E4X4YL6 directly.	4x4	1	5
3-Sided Vertical Tee Trumpet Spillout				
FTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a 4x4 or 6x4 FiberRunner® Vertical Tee and 4x4 Fiber-Duct™ Fittings.	4x4	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT4X4BL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT6X4YL, FRVT4X4YL, or FVT4X4YL. Black color only.	4x4	1	5

For other colors replace YL (Yellow) with OR (Orange), BL (Black), or LG (Light Gray).

Fiber-Duct™ Accessories

- Provide method to transition cabling into rack system
- Maintain 1" (25.4mm) bend radius control



TRC2BL

TRC4BL

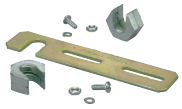
NR2
NR4

F14PWN-L

F14PN-L

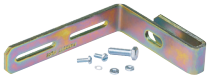
Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
TRC2BL	Bend radius control trumpet for exiting at the sidewall of 2" wall heights of type G, FS or E Fiber-Duct™ Channels.	2x2	1	10
TRC4BL	Bend radius control trumpet for exiting at the sidewall of 4" wall heights of type G, FS or E Fiber-Duct™ Channels.	4x4	1	10
Snap Rivets				
NR2WH-L	Snap rivet fastens channel and fittings together for added strength and rigidity. Snap rivet mounts flush to surfaces.	2x2	50	500
NR4BL-L		4x4	50	500
Plastic Bolts and Nuts				
F14PWN-L	1/4" plastic bolts and wing nuts fastens channel and fittings together for added strength and rigidity.	2x2 4x4	50	500
F14PN-L	1/4" plastic bolts and hex nuts fastens channel and fittings together for added strength and rigidity.	2x2 4x4	50	500

Fiber-Duct™ Mounting Brackets

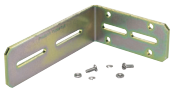


FTRBE12/FTRBE12M
FTRBE58

FTRBN12/FTRBN12M
FTRBN58



FLRB



FLB

FZBA1.5X4

FZBLP

F2PCLB12
F2PCLB58

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Existing Threaded Rod Brackets for Fiber-Duct™ System				
FTRBE12	Used for supporting the 2x2 and 4x4 Fiber-Duct™ Systems from existing threaded rod installations. Bracket is secured to threaded rod with two split nuts. Contains hardware for attaching to threaded rods and hardware for mounting channel to bracket.	1/2"	1	10
FTRBE12M		12mm	1	10
FTRBE58		5/8"	1	10
New Threaded Rod Brackets for Fiber-Duct™ System				
FTRBN12	Used for supporting the 2x2 and 4x4 Fiber-Duct™ Systems from new threaded rod installations. Bracket is secured to threaded rod with two nuts. Contains hardware for attaching to threaded rods and hardware for mounting channel to bracket.	1/2"	1	10
FTRBN12M		12mm	1	10
FTRBN58		5/8"	1	10
Ladder Rack Bracket for Fiber-Duct™ System				
FLRB	Used to support the 2x2 and 4x4 Fiber-Duct™ Systems attaching directly to any 3/8" (9.5mm) x 1 1/2" (38.1mm) or 3/8" (9.5mm) x 2" (50.8mm) ladder rack rail. No threaded rod required. Contains hardware for mounting channel to bracket.	—	1	10
"L" Wall Mount Bracket for Fiber-Duct™ System				
FLB	Used to support 2x2 and 4x4 Fiber-Duct™ Systems by attaching to a wall or the front or back of an equipment rack. Contains hardware for mounting channel to bracket.	—	1	10
Adjustable "Z" Bracket				
FZBA1.5X4	Bracket used to offset Fiber-Duct™ System from mounting surface, adjustable from 1.5" (38mm) to 4" (101mm). Typically used on the front of an equipment rack.	—	1	10

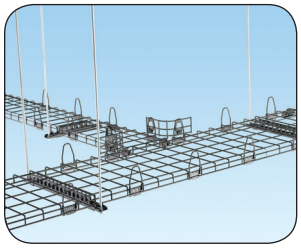
Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Low Profile "Z" Bracket				
FZBLP	Bracket used to offset 2x2 or 4x4 Fiber-Duct™ System and hinged duct from the front face of an equipment rack. Bracket provides a secure mounting surface .67" (17mm) from the front of an equipment rack.	—	1	10
Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" – 2" Ladder Rack				
F2PCLB12	Two-piece bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) or 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket halves slide into position and clamp together on the ladder rack rail, which allows for a one-handed assembly of the threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10
F2PCLB58		5/8"	1	10

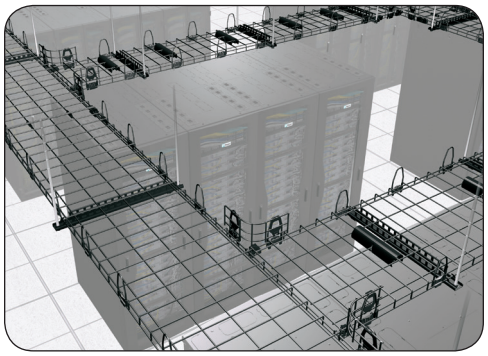
Continues on next page

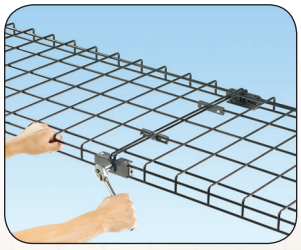
Order number of pieces required, in multiples of Standard Package Quantity.

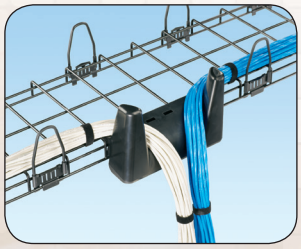
Wyr-Grid® Overhead Cable Tray Routing System

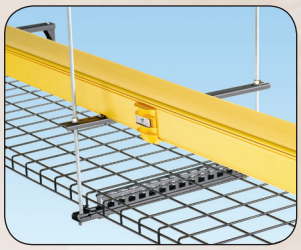
Panduit provides an overhead cable tray system that minimizes installation time and simplifies cable management for contractors and network technicians. The Wyr-Grid® Overhead Cable Tray Routing System is designed to route and manage copper data cables, premise distribution fiber optic cables, and power cables within data centers, connected buildings, and industrial automation applications. Innovative features provide quick, easy assembly that reduce installation time to half that of typical wire basket or ladder rack systems, thus minimizing installation costs.

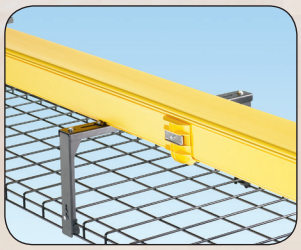












- **Wyr-Grid® Pathways are provided in four widths: 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm)**
- **Wyr-Grid® System incorporates non-integral snap-on sidewalls which minimize specification requirements and are offered in three different heights: 2" (50mm), 4" (102mm), and 6" (152mm)**
- **Wyr-Grid® Splice Connectors have an integral bonding screw that creates a mechanical-electrical bond between cable tray pathway sections**
- **Wyr-Grid® Waterfalls are offered in two different configurations that attach to all pathway sections 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm) to facilitate bend radius control and cable management**
- **Wyr-Grid® Support Brackets are offered in various widths to accommodate pathways: 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm); have an integral quick-clip retention; accommodate 1/2" or 12mm threaded rod**

The Wyr-Grid® Overhead Cable Tray Routing System can easily accommodate FiberRunner® Pathways into the application to provide a segregated copper and fiber cabling solution.

As part of the Panduit Data Center Solution, the Wyr-Grid® System offers secure, reliable system integration and risk management within the physical infrastructure.

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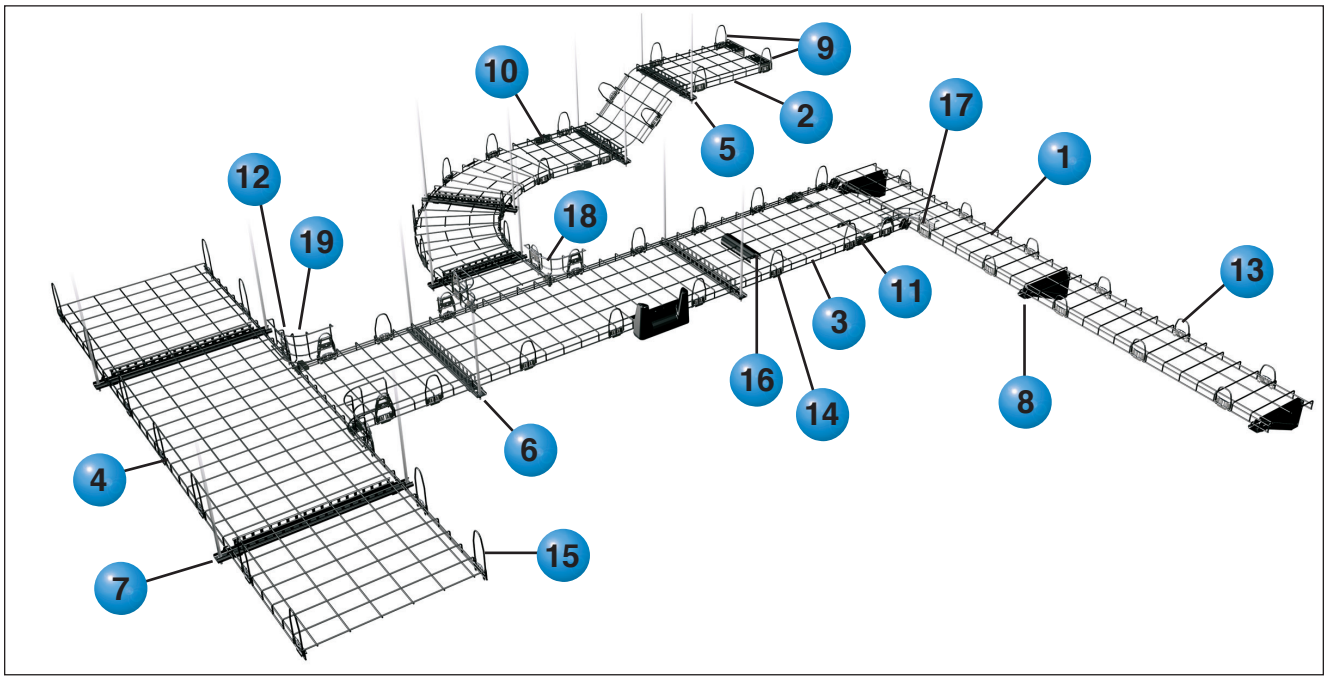
Wyr-Grid® Overhead Cable Tray Routing System Roadmap



Wyr-Grid® Mounting Brackets

1 WG12BL10 – Wyr-Grid® 12" Wide x 10' Long Pathway Section (page G.55)

2 WG18BL10 – Wyr-Grid® 18" Wide x 10' Long Pathway Section (page G.55)

3 WG24BL10 – Wyr-Grid® 24" Wide x 10' Long Pathway Section (page G.55)

4 WG30BL10 – Wyr-Grid® 30" Wide x 10' Long Pathway Section (page G.55)

5 WGTBS18BL – Wyr-Grid® 18" Trapeze Bracket (page G.57)

6 WGTBS24BL – Wyr-Grid® 24" Trapeze Bracket (page G.57)

7 WGTBS30BL – Wyr-Grid® 30" Trapeze Bracket (page G.57)

8 WGCB12BL – Wyr-Grid® Cantilever Bracket (page G.57)

9 WGWMTB1830BL – Wyr-Grid® 18 - 30" Wide Wall Mount Termination Bracket (page G.57)

10 WGSPL1218BL – Wyr-Grid® Splice Connectors for 12" and 18" Widths (page G.56)

11 WGSPL2430BL – Wyr-Grid® Splice Connectors for 24" and 30" Widths (page G.56)

12 WGINTSPLBL – Wyr-Grid® Intersection Splices (page G.56)

13 WGSW2BL – Wyr-Grid® 2" Snap-On Sidewall (page G.60)

14 WGSW4BL – Wyr-Grid® 4" Snap-On Sidewall (page G.60)

15 WGSW6BL – Wyr-Grid® 6" Snap-On Sidewall (page G.60)

16 WGBTMWFBL – Wyr-Grid® Bottom Waterfall (page G.56)

17 WGINTBRC2BL – Wyr-Grid® 2" Snap-On Intersection Bend Radius Control High Sidewall (page G.60)

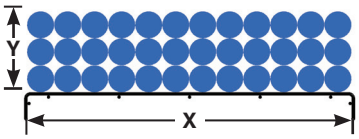
18 WGINTBRC4BL – Wyr-Grid® 4" Snap-On Intersection Bend Radius Control High Sidewall (page G.60)

19 WGINTBRC6BL – Wyr-Grid® 6" Snap-On Intersection Bend Radius Control High Sidewall (page G.60)

Order number of pieces required, in multiples of Standard Package Quantity.

Wyr-Grid® Overhead Cable Tray Routing System

Wire Fill for Wyr-Grid® Overhead Cable Tray Routing System



X (in.)	Y (in.)	Internal Area (in^2)	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"	X (in.)	Y (in.)	Internal Area (in^2)	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
12.2	2	24.3	269	172	269	24.2	2	48.3	534	342	534
	4	48.7	538	344	538		4	96.7	1069	684	1069
	6	73.0	807	516	807		6	145.0	1603	1026	1603
18.2	2	36.3	401	257	401	30.2	2	60.3	666	427	666
	4	72.7	804	514	804		4	120.7	1334	854	1334
	6	109.0	1205	771	1205		6	181.0	2000	1280	2000

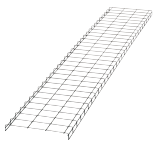
"Y" equates to the height of the Wyr-Grid® Optional Sidewalls. The internal area defines the allowable fill capacity based on the Wyr-Grid® Pathway width and optional sidewall height. The Wyr-Grid® Pathway cable fill is based on NEC allowable fill of 50%.
The above cable diameters represent the nominal Panduit cable diameter per performance level.

Wyr-Grid® Pathway Sections

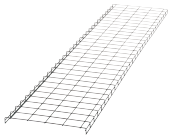
- Pathways are provided in five widths: 8" (203mm): 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm)
- Standard finishes are black powder coat and electro zinc plated
- Non-integral sidewalls minimize specification requirements

WG8BL10

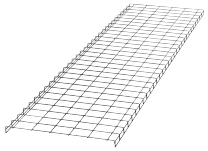
WG12BL10



WG18BL10



WG24BL10



WG30BL10

Part Number	Part Description	Std. Pkg. Qty.
Low Profile "Z" Bracket		
WG8BL10	8" wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Snap-on sidewalls attach for job specific height requirements. Uses splice connector WGSPL1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at an intersection.	10
WG12BL10*	12" wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Snap-on sidewalls attach for job specific height requirements. Uses splice connector WGSPL1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at an intersection.	10
WG18BL10*	18" wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Snap-on sidewalls attach for job specific height requirements. Uses splice connector WGSPL1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at an intersection.	10
WG24BL10*	24" wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Snap-on sidewalls attach for job specific height requirements. Uses splice connector WGSPL2430BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at an intersection.	10
WG30BL10*	30" wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Snap-on sidewalls attach for job specific height requirements. Uses splice connector WGSPL2430BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at an intersection.	10

Order number of feet required, in multiples of standard 10' length increments.
*For electro zinc finish replace BL (Black) with EZ.

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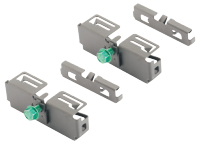
Wyr-Grid® Splice Connectors

- Integral bonding screw creates a mechanical electrical bond between cable tray pathway sections
- Standard finishes are black powder coat and electro zinc plated
- Sold in pairs

WGSPL1218BL


WGSPL2430BL

WGINTSPLBL

WGESPLBL

WGESPL2430BL

WGEXSBL

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
WGSPL1218BL	Straight splice connector quickly joins two 12" (305mm) or 18" (457mm) wide Wyr-Grid® Pathways together. Package contains 2 components needed to join two pathway sections.	1	10
WGSPL2430BL	Straight splice connector quickly joins two 24" (610mm) or 30" (762mm) wide Wyr-Grid® Pathways together. Package contains 4 components needed to join two pathway sections.	1	10
WGINTSPLBL	Intersection splice connector quickly joins Wyr-Grid® Pathways at all intersections. Package contains 2 components needed to create one tee or right angle intersection.	1	10
WGESPLBL	Straight splice connector with clips join two 8" (203mm), 12" (305mm) or 18" (457mm) wide Wyr-Grid® Pathways together. A bonded connection is possible with the black powder coated splice when powder coat finish is properly removed from the pathway surfaces that contact the zinc plated clip on the back side of the splice. Package contains 2 components needed to join two pathway sections.	1	10
WGESPL2430BL	Straight splice connector with clips join two 24" (610mm) or 30" (762mm) wide Wyr-Grid® Pathways together. A bonded connection is possible with the black powder coated splice when powder coat finish is properly removed from the pathway surfaces that contact the zinc plated clip on the back side of the splice. Package contains 4 components needed to join two pathway sections	1	10
WGEXSBL	Expansion splice connector joins two 8" (203mm), 12" (305mm), 18" (457mm), 24" (610mm) or 30" (762mm) wide Wyr-Grid® Pathways together in applications where small gaps between horizontal pathways prevent the use of standard WGSPL1218**, WGSPL2430**, WGESPL** or WGESPL2430** Wyr-Grid® Splice Components.	1	10

For electro zinc finish replace BL (Black) with EZ.

Wyr-Grid® Waterfalls

- Offered in two different configurations that attach to all pathway sections 8" (203mm), 18" 457mm), 24" (610mm) and 30" (762mm)
- Standard finishes are black powder coat and electro zinc plated

WGBTMWFBL

WGSWF4BL

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
WGBTMWFBL*	The bottom waterfall provides 1.38" (35mm) bend radius control for cables transitioning down into the racks or cabinets from within the Wyr-Grid® Pathway. The waterfalls can be installed side-by-side increasing the overall width of the waterfall. Standard finish is black powder coat.	1	10
WGSWF4BL	The side waterfall provides 3" (76mm) bend radius control for cables transitioning down into the racks or cabinets from the side of the Wyr-Grid® Pathway. Cable retaining posts ensure bend radius control as cables traverse from the horizontal into the vertical path. Plastic design only offered in black color.	1	—

*For electro zinc finish replace BL (Black) with EZ.

Order number of pieces required, in multiples of Standard Package Quantity.

Wyr-Grid® Support Brackets

- Offered in various widths to accommodate pathways: 8" (203mm), 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm)
- Standard finishes are black powder coat and electro zinc plated
- Integral quick-clip retention
- Accommodates 1/2" or 12mm threaded rod

WGTBS8BL

WGTBS12BL

WGTBS18BL

WGTBS24BL

WGTBS30BL

WGCB12BL

WGCB18BL

WGCB24BL

WGWMTB8BL

WGWMTB12BL

WGWMTB1830BL

WGVWMBEZ

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Wyr-Grid® Trapeze Brackets			
WGTBS8BL	Used to support 8" (203mm) wide Wyr-Grid® Pathway from the ceiling using a pair of 1/2" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.	1	5
WGTBS12BL	Used to support 12" (305mm) wide Wyr-Grid® Pathway from the ceiling using a pair of 1/2" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.	1	5
WGTBS18BL	Used to support 18" (457mm) wide Wyr-Grid® Pathway from the ceiling using a pair of 1/2" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.	1	5
WGTBS24BL	Used to support 24" (610mm) wide Wyr-Grid® Pathway from the ceiling using a pair of 1/2" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.	1	5
WGTBS30BL	Used to support 30" (762mm) wide Wyr-Grid® Pathway from the ceiling using a pair of 1/2" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.	1	5
Wyr-Grid® Cantilever Brackets			
WGCB12BL	Used to support the 12" (305mm) wide Wyr-Grid® Pathway along a wall. Integral retaining clip secures the pathway to the bracket. Mounting hardware for attaching to wall not included.	1	5
WGCB18BL	Used to support the 18" (457mm) wide Wyr-Grid® Pathway along a wall. Integral retaining clip secures the pathway to the bracket. Mounting hardware for attaching to wall not included.	1	5
WGCB24BL	Used to support the 24" (610mm) wide Wyr-Grid® Pathway along a wall. Integral retaining clip secures the pathway to the bracket. Mounting hardware for attaching to wall not included.	1	5
Wyr-Grid® Wall Mount Termination Brackets			
WGWMTB8BL	Used to support the end of the 8" (203mm) Wyr-Grid® Pathway against the wall. Mounting hardware for attaching to wall not included.	1	5
WGWMTB12BL	Used to support the end of the 12" (305mm) Wyr-Grid® Pathway against the wall. Mounting hardware for attaching to wall not included.	1	5
WGWMTB1830BL	Used to support the 24" (610mm) wide Wyr-Grid® Pathway along a wall. Integral retaining clip secures the pathway to the bracket. Mounting hardware for attaching to wall not included.	1	5
WGVWMBEZ	Electro Zinc plated vertical wall mount bracket.	1	5

For electro zinc finish replace BL (Black) with EZ.

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Wyr-Grid® Support Brackets (continued)

- Offered in various widths to accommodate pathways: 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm)
- Standard finish is black powder coat
- Integral quick-clip retention
- Accommodates 1/2" or 12mm threaded rod

WG2PRB12BL

WG2PRB18BL

WG2PRB24BL

WGR4PK30BL

WGCMB1200BL

WGCMB1070BL

WGCMK1200BL

WGCMK1070BL

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Wyr-Grid® 2-Post Channel Trapeze Rack Mount Brackets			
WG2PRB12BL	Used to support the 12" (305mm) wide Wyr-Grid® Pathway directly to standard 3" or 6" EIA channel racks. Can be installed as a parallel or perpendicular support for the Wyr-Grid® Pathway. Attaches directly to Panduit channel racks.	1	5
WG2PRB18BL	Used to support the 18" (457mm) wide Wyr-Grid® Pathway directly to standard 3" or 6" EIA channel racks. Can be installed as a parallel or perpendicular support for the Wyr-Grid® Pathway. Attaches directly to Panduit channel racks.	1	5
WG2PRB24BL	Used to support the 24" (610mm) wide Wyr-Grid® Pathway directly to standard 3" or 6" EIA channel racks. Can be installed as a parallel or perpendicular support for the Wyr-Grid® Pathway. Attaches directly to Panduit channel racks.	1	5
Wyr-Grid® 4-Post Channel Trapeze Rack Mount Bracket			
WGR4PK30BL	Direct mounted strut bracket for use on a 4-post rack.	1	5
Wyr-Grid® Cabinet Direct Mounting Brackets			
WGCMB1200BL	Direct mounted strut bracket for use on a Net-Access™ N-Type or S-Type 1200mm Cabinet (not elevated).	1	5
WGCMB1070BL	Direct mounted strut bracket for use on a Net-Access™ N-Type or S-Type 1070mm Cabinet (not elevated).	1	5
Wyr-Grid® Cabinet Mounting Brackets			
WGCMK1200BL	Elevated trapeze bracket for use on a Net-Access™ N-Type or S-Type 1200mm Cabinet (elevated).	1	5
WGCMK1070BL	Elevated trapeze bracket for use on a Net-Access™ N-Type or S-Type 1070mm Cabinet (elevated).	1	5

For electro zinc finish replace BL (Black) with EZ.

Order number of pieces required, in multiples of Standard Package Quantity.

Wyr-Grid® Mounting Brackets for FiberRunner® System

- Offered in various widths to accommodate pathways: 12" (305mm), 18" (457mm), 24" (610mm), and 30" (762mm)
- Standard finish is black powder coat
- Integral quick-clip retention
- Accommodates 1/2" or 12mm threaded rod

FRTBWG12BL

FRTBWG18BL

FRTBWG24BL

FRTBWG30BL

WG12FRTBBL

WG18FRTBBL

WG24FRTBBL

WG30FRTBBL

WGSKBL

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Wyr-Grid® Mounting Brackets for FiberRunner® System			
FRTBWG12BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 12" (305mm) width. Used to support FiberRunner® 4x4 and 6x4 Channel above or below the Wyr-Grid® 12" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB12BL bracket. Hardware for attaching to threaded rod sold separately.	1	10
FRTBWG18BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 18" (457mm) width. Used to support FiberRunner® 4x4, 6x4, and 12x4 Channel above or below the Wyr-Grid® 18" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB18BL bracket. Hardware for attaching to threaded rod sold separately.	1	10
FRTBWG24BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 24" (610mm) width. Used to support FiberRunner® 4x4, 6x4, and 12x4 Channel above or below the Wyr-Grid® 24" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB24BL bracket. Hardware for attaching to threaded rod sold separately.	1	10
FRTBWG30BL	FiberRunner® QuikLock™ Threaded Rod Trapeze Bracket for Wyr-Grid® 30" (762mm) width. Used to support FiberRunner® 4x4, 6x4, 12x4, and 24x4 Channel above or below the Wyr-Grid® 30" Pathway using the same 1/2" or 12mm threaded rod used to support the WGTB30BL bracket. Quick mount clips, FRQMC24-X are not included for installing the 24x4 channel. These must be purchased separately. This bracket is on the same pitch as the Wyr-Grid® Bracket. Hardware for attaching to threaded rod sold separately.	1	10
WG12FRTBBL	Wyr-Grid® 12" (305mm) width FiberRunner® QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid® 12" (305mm) wide Pathway to support a secondary FiberRunner® 4x4 or 6x4 Channel above the Wyr-Grid® Pathway. Adjustable 6 9/16" to 9 7/8" over the top surface of the Wyr-Grid® Pathway.	1	—
WG18FRTBBL	Wyr-Grid® 18" (457mm) width FiberRunner® QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid® 18" (457mm) wide Pathway to support a secondary FiberRunner® 4x4 or 6x4 Channel above the Wyr-Grid® Pathway. Adjustable 6 9/16" to 9 7/8" over the top surface of the Wyr-Grid® Pathway.	1	—
WG24FRTBBL	Wyr-Grid® 24" (610mm) width FiberRunner® QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid® 24" (610mm) wide Pathway to support a secondary FiberRunner® 4x4 or 6x4 Channel above the Wyr-Grid® Pathway. Adjustable 6 9/16" to 9 7/8" over the top surface of the Wyr-Grid® Pathway	1	—
WG30FRTBBL	Wyr-Grid® 30" (762mm) width FiberRunner® QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid® 30" (762mm) wide Pathway to support a secondary FiberRunner® 4x4 or 6x4 channel above the Wyr-Grid® Pathway. Adjustable 6 9/16" to 9 7/8" over the top surface of the Wyr-Grid® Pathway.	1	—
Wyr-Grid® Mounting Bracket for Strut			
WGSKBL*	Black powder coated bracket strut mounting clip assembly allows Wyr-Grid® Pathway to be attached directly to standard 1 5/8" wide strut structures. Contains support member, two clips and all hardware for assembly.	1	5

*For electro zinc finish replace BL (Black) with EZ.

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Wyr-Grid® Accessories

- Offered in three different heights: 2" (50mm), 4" (102mm), and 6" (152mm)
- Standard finishes are black powder coat and electro zinc plated

WGSW2BL

WGSW4BL

WGSW6BL

WGINTBRC2BL

WGINTBRC4BL

WGINTBRC6BL

WGHRDWKTBL

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Wyr-Grid® Pathway Snap-On Sidewalls			
WGSW2BL	Wyr-Grid® 2" (50mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.	1	40
WGSW4BL	Wyr-Grid® 4" (102mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.	1	40
WGSW6BL	Wyr-Grid® 6" (152mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.	1	40
Wyr-Grid® Pathway Intersection Bend Radius Controls			
WGINTBRC2BL	Wyr-Grid® 2" (50mm) high Snap-On Intersection Bend Radius Control provides 3" (76mm) bend radius control and can be installed without cutting or fabrication at tees, crosses, and right angle intersections.	1	—
WGINTBRC4BL	Wyr-Grid® 4" (102mm) high Snap-On Intersection Bend Radius Control provides 3" (76mm) bend radius control and can be installed without cutting or fabrication at tees, crosses, and right angle intersections.	1	—
WGINTBRC6BL	Wyr-Grid® 6" (152mm) high Snap-On Intersection Bend Radius Control provides 3" (76mm) bend radius control and can be installed without cutting or fabrication at tees, crosses, and right angle intersections.	1	—

For electro zinc finish replace BL (Black) with EZ.

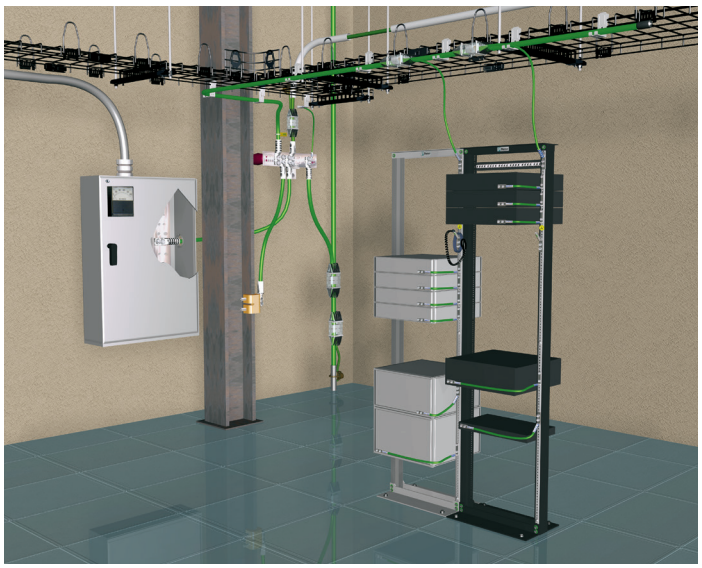
Wyr-Grid® Hardware

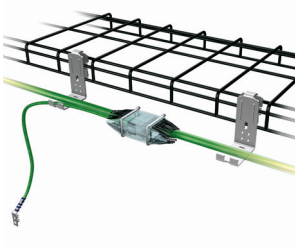
WGHRDWKTBL	The hardware kit is used when field fabricating a right angle, allowing large radii to be created by cutting the pathway, bending it, and securing it into a right angle. 12" (305mm) width requires 6 pieces to create a 15.8" radius. 18" (457mm) width requires 9 pieces to create a 24.4" radius. 24" (610mm) width requires 12 pieces to create a 33.4" radius. 30" (762mm) width requires 15 pieces to create a 41.5" radius.	1	10

Available in BL (Black) only.

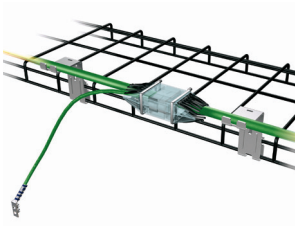
Order number of pieces required, in multiples of Standard Package Quantity.

StructuredGround™ Grounding System for Wyr-Grid® System





GACB brackets provide a convenient location to attach ground wire for grounding Wyr-Grid® System to the ground bar.



GACB brackets provide the flexibility to install grounding conductors above or below the Wyr-Grid® System.

GACB-2

GACB-3

GACBJ68U

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Grounding Cable Hanger Brackets			
GACB-2	Supports grounding conductors positioned below Wyr-Grid® Pathways and automatically makes bonding connection. Used with ladder rack and wire basket.	1	40
GACB-3	Supports grounding conductors positioned above Wyr-Grid® Pathways and automatically makes bonding connection. Used with ladder rack and wire basket.	1	40
GACBJ68U*	Auxiliary cable bracket jumper for bonding pathway sections; #6 AWG (16mm²); 8.0" (203mm) length; factory terminated on both ends with straight, two-hole, long barrel compression lugs; provided with .16 oz. (5cc) of antioxidant and four mounting screws.	1	40

*Length in inches. Available in 8", 12", and 18" lengths.

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Wyr-Grid® Tools

FR716DR

WGCT-A

CD-WGCD-1

WGCT-M

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Tools			
FR716DR	7/16" nut driver for use with the FiberRunner®, GridRunner™, and Wyr-Grid® Systems.	1	10
WGCT-A	Battery powered cutting tool for cutting Wyr-Grid® Cable Trays, 2 – 18 volt lithium-ion batteries, and 115 volt, 60 Hz charger included.	1	—
CD-WGCD-1	Wyr-Grid® Replacement Cutting Die for the automatic cutting tool.	1	—
WGCT-M	Manual cutting tool for cutting Wyr-Grid® Cable Trays. Weight: 5.4 lbs. (2.45 kg).	1	—

Order number of pieces required, in multiples of Standard Package Quantity.

Surface Raceway

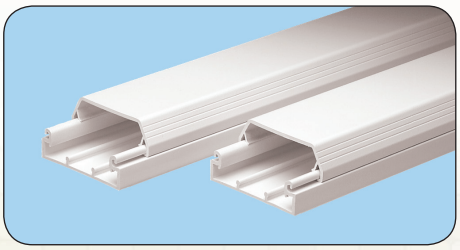
Pan-Way® Non-Metallic Surface Raceway is available in single-channel and multi-channel versions, providing maximum flexibility for routing, protecting and terminating high-performance copper, fiber optic and power cabling. All single-channel and multi-channel raceways offer a full complement of standard and/or power rated fittings and fully compliant bend radius control fittings to insure maximum cable performance.

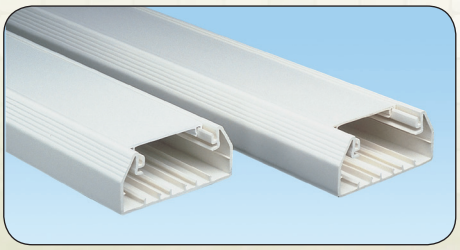
The single-channel raceway includes LD and LDPH which are available in low voltage and/or power rated versions.

LD Raceway includes:

- **LDPH is a tamper resistant two-piece latching design supplied with pre-applied adhesive backed tape**
- **LD features a one-piece single channel design for data routing only**
- **LD2P10 features one-piece multi-channel design for both power and data applications**

The multi-channel raceway includes T-45 and T-70. All multi-channel raceways provide solutions for routing power and data cabling, offer 1 inch bend radius control fittings and accept NEMA standard 70mm faceplates for multiple termination options.





T-45 Raceway includes:

- **A multi-directional hinged cover that allows cable installation from either side**
- **Hinged data and power brackets provide easy access for terminating outlets**
- **Easily reduces from T-45 to LD10**
- **Transitions from T-45 to T-70 Raceway**

T-70 Raceway includes:

- **The Workstation Outlet Center™ Offset Box provides an offset solution to maximize channel capacity and outlet density**
- **Utilizes snap-in divider wall to provide multi-channel capability**
- **Can transition to T-45 and LD profile raceways**

Panduit® Pan-Way® Surface Raceways are part of the Panduit Enterprise Solution and offer ease of installation, modification and additions for safe and secure routing integration within the Enterprise and Data Center infrastructure at the lowest installed cost.

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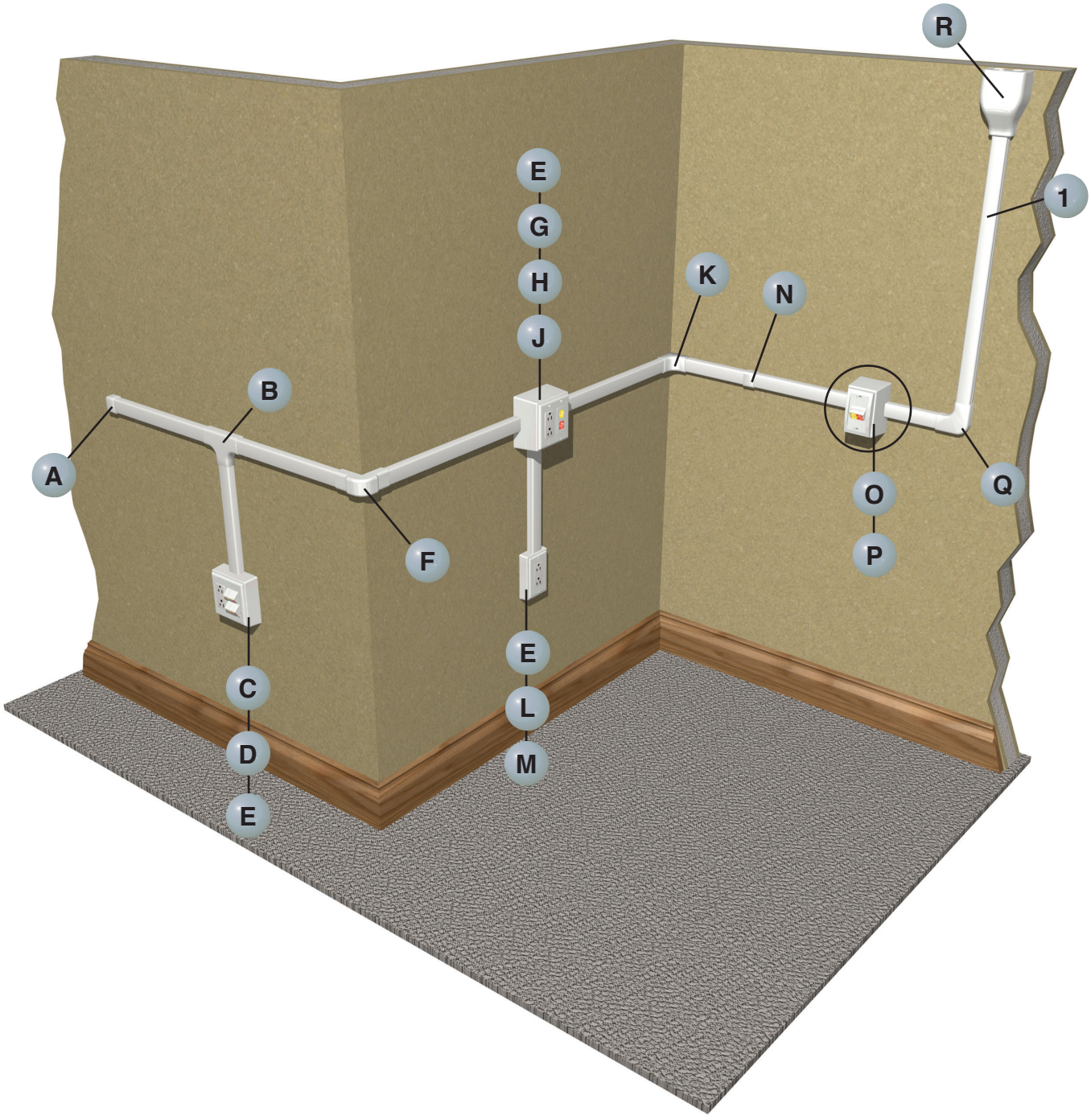
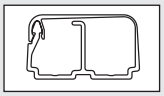
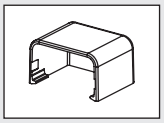
LD2P10 Profile Raceway Roadmap



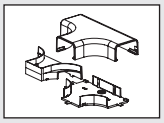
Order number of pieces required, in multiples of Standard Package Quantity.



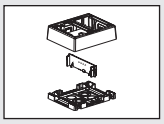
1 LD2P10IW – Raceway (page H.9)



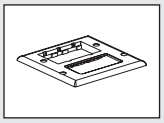
A ECFX10IW – Power Rated End Cap Fitting (page H.8)



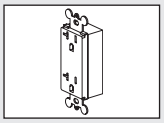
B TFXD10IW – 1 Inch Bend Radius Tee Fitting (page H.9)



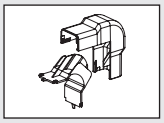
C JBP2SIW – Power Rated Double Gang Two-Piece Divided Box (page H.24)



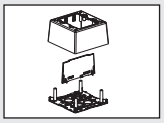
D FP2RCIW – Double Gang Rectangular Electrical and Two Communication Insert Faceplate (page H.25)



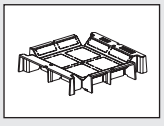
E ERU20IW – 20 A Rectangular Electrical Outlet (page H.26)



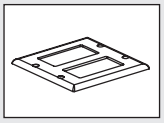
F OCFX10IW – 1 Inch Bend Radius Outside Corner Fitting (page H.7)



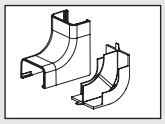
G JBP2DIW – Power Rated Double Gang Two-Piece Deep Box (page H.22)



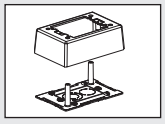
H JBD2 – Double Gang Pass Through and Divider for LD2P10 Raceway (page H.24)



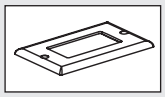
J CPGIW-2G – Double Gang Rectangular Screw-On Faceplate (page H.25)



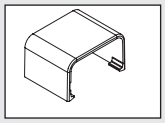
K ICFX10IW – Power Rated Inside Corner Fitting (page H.8)



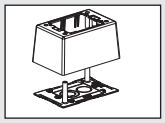
L JBP1IW – Power Rated Single Gang Two-Piece Box (page H.23)



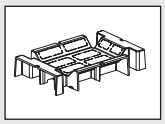
M CPGIW – Single Gang Rectangular Screw-On Faceplate (page H.25)



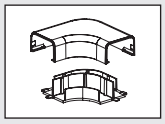
N CFX10IW – Power Rated Coupler Fitting (page H.8)



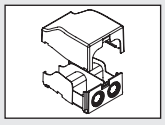
O JBP1DIW – Single Gang Two-Piece Deep Box (page H.23)



P JBD1 – Single Gang Pass Through Divider for LD2P10 Raceway (page H.23)



Q RAFX10IW – Power Rated Right Angle Fitting (page H.8)



R EEFXIW – Power Rated/1 Inch Bend Radius Entrance End Fitting (page H.9)

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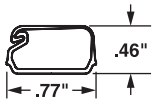
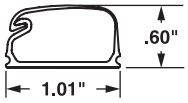
Pan-Way® LD Surface Raceway System

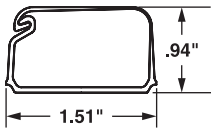
- For routing data and low voltage cabling
- One-piece hinged design allows cables to be laid in
- Factory applied adhesive backing speeds installation
- FT4 rated
- Terminates using surface mount outlet box solutions or Panduit® Mini-Com® Surface Mount Boxes



LD3
Internal Area = .21 Sq. In.



LD5
Internal Area = .38 Sq. In.



LD10
Internal Area = 1.00 Sq. In.

LD3

LD5

LD10

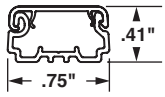
Part Number	Part Description	Raceway Size	Color‡	Length (Ft.)	Std. Ctn. Qty.
LD3 – Surface Raceway					
LD3IW6-A	One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 6', 8', and 10' lengths.	.77" x .46" (20.0mm x 12.0mm)	Off White	6	120
LD3IW8-A				8	160
LD3IW10-A				10	200
LD5 – Surface Raceway					
LD5IW6-A	One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 6', 8', and 10' lengths.	1.01" x .58" (26.0mm x 15.0mm)	Off White	6	120
LD5IW8-A				8	160
LD5IW10-A				10	200
LD10 – Surface Raceway					
LD10IW6-A	One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 6', 8', and 10' lengths.	1.51" x .94" (38.4mm x 24.0mm)	Off White	6	120
LD10IW8-A				8	160
LD10IW10-A				10	200

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
Order number of feet required in multiples of standard length increments.
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway Line card for additional information.

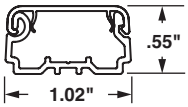
Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® LDPH Surface Raceway System

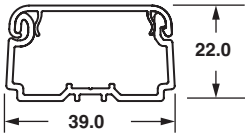
- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Two-piece hinged design allows cables to be laid in
- Tamper resistant
- Factory applied adhesive backing speeds installation
- Terminates using surface mount outlet box solutions or Panduit® Mini-Com® Surface Mount Boxes



LDPH3
Internal Area = .17 Sq. In.

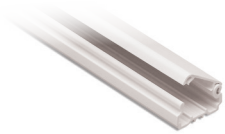


LDPH5
Internal Area = .33 Sq. In.

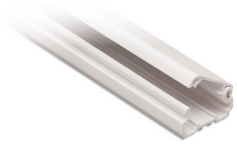


LDPH10
Internal Area = .62 Sq. In.

LDPH3



LDPH5



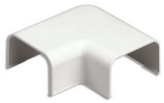
LDPH10

Part Number	Part Description	Raceway Size	Color‡	Length (Ft.)	Std. Ctn. Qty.
LDPH3 – Surface Raceway					
LDPH3IW6-A	Tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 6' and 8' lengths.	.75" x .41" (20.0mm x 10.4mm)	Off White	6	120
LDPH3IW8-A				8	160
LDPH5 – Surface Raceway					
LDPH5IW6-A	Tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 6' and 8' lengths.	1.02" x .55" (26.0mm x 14.0mm)	Off White	6	120
LDPH5IW8-A				8	160
LDPH10 – Surface Raceway					
LDPH10IW6-A	Tamper resistant two-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 6' and 8' lengths.	1.52" x .86" (39.0mm x 22.0mm)	Off White	6	120
LDPH10IW8-A				8	160

LDPH raceway requires screw mounting for power cabling applications.
Order number of feet required in multiples of standard length increments.
‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway Line card for additional information.

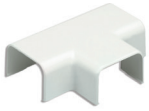
Standard Fittings for Low Voltage Applications

CF


RAF

ICF

OCF


TF

ECF

CRFC

DCF

FBA

RF

Part Number	Part Description	Color‡	Std. Pkg. Qty.
CF3IW-E	Coupler fitting for use with LD3 raceway.	Off White	20
CF5IW-E	Coupler fitting for use with LD5 raceway.	Off White	20
CF10IW-X	Coupler fitting for use with LD10 raceway.	Off White	10
RAF3IW-E	Right angle fitting for use with LD3 raceway.	Off White	20
RAF5IW-E	Right angle fitting for use with LD5 raceway.	Off White	20
RAF10IW-X	Right angle fitting for use with LD10 raceway.	Off White	10
ICF3IW-E	Inside corner fitting for use with LD3 raceway.	Off White	20
ICF5IW-E	Inside corner fitting for use with LD5 raceway.	Off White	20
ICF10IW-X	Inside corner fitting for use with LD10 raceway.	Off White	10
OCF3IW-E	Outside corner fitting for use with LD3 raceway.	Off White	20
OCF5IW-E	Outside corner fitting for use with LD5 raceway.	Off White	20
OCF10IW-X	Outside corner fitting for use with LD10 raceway.	Off White	10
TF3IW-E	Tee fitting for use with LD3 raceway.	Off White	20
TF5IW-E	Tee fitting for use with LD5 raceway.	Off White	20
TF10IW-X	Tee fitting for use with LD10 raceway.	Off White	10
ECF3IW-E	End cap fitting for use with LD3 raceway.	Off White	20
ECF5IW-E	End cap fitting for use with LD5 raceway.	Off White	20
ECF10IW-X	End cap fitting for use with LD10 raceway.	Off White	10
CRFC5IW-X	Four way cross fitting for use with LD5 and LDPH5 raceway.	Off White	10
DCF3IW-X	Drop ceiling/entrance end fitting for use with LD3 raceway.	Off White	10
DCF5IW-X	Drop ceiling/entrance end fitting for use with LD5 raceway.	Off White	10
DCF10IW-X	Drop ceiling/entrance end fitting for use with LD10 raceway.	Off White	10
FBA5IW-X	Fire box adapter for use with LD5/LDPH5 profile raceway. NOTE: For low voltage applications only.	Off White	10
FBA10IW-X	Fire box adapter for use with LD10/LDPH10 profile raceway. NOTE: For low voltage applications only.	Off White	10
RF5X3IW-E	Reducer fitting for LD raceway from size 5 to size 3. For use with LD5 and LD3 raceway. For in-line terminations, use with CF5IW-E.	Off White	20
RF10X3IW-X	Reducer fitting for LD raceway from size 10 to size 3. For use with LD3 and LD10 raceway. For in-line terminations, use with CF10IW-X.	Off White	10
RF10X5IW-X	Reducer fitting for LD raceway from size 10 to size 5. For use with LD5 and LD10 raceway. For in-line terminations, use with CF10IW-X.	Off White	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

One Inch Bend Radius Fittings for TIA/EIA Compliance

- One inch bend radius fittings are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling systems

RAFC

ICFC

OCFX

TFC

CRFC5

Part Number	Part Description	Color‡	Std. Pkg. Qty.
RAFC3IW-X	Right angle fitting for use with LD3 and LDPH3 raceway.	Off White	10
RAFC5IW-X	Right angle fitting for use with LD5 and LDPH5 raceway.	Off White	10
RAFC10IW-X	Right angle fitting for use with LD10 and LDPH10 raceway.	Off White	10
ICFC3IW-X	Inside corner fitting for use with LD3 and LDPH3 raceway.	Off White	10
ICFC5IW-X	Inside corner fitting for use with LD5 and LDPH5 raceway.	Off White	10
ICFC10IW-X	Inside corner fitting for use with LD10 and LDPH10 raceway.	Off White	10
OCFX3IW-X	Outside corner fitting for use with LDPH3 raceway.	Off White	10
OCFX5IW-X	Outside corner fitting for use with LDPH5 raceway.	Off White	10
OCFX10IW-X	Outside corner fitting for use with LDPH10 and LD2P10 raceway.	Off White	10
TFC3IW-X	Tee fitting for use with LD3 and LDPH3 raceway.	Off White	10
TFC5IW-X	Tee fitting for use with LD5 and LDPH5 raceway.	Off White	10
TFC10IW-X	Tee fitting for use with LD10 and LDPH10 raceway.	Off White	10
CRFC5IW-X	Four way cross fitting for use with LD5 and LDPH5 raceway.	Off White	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Power Rated Fittings for Power to 600 V — LDPH/LDS/LD2P Raceway Only

CFX

RAFX

ICFX

OCFC

TFX

CRFX

CEFX

ECFX

DCEFX

RAEFX

RFX

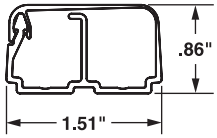
Part Number	Part Description	Color‡	Std. Pkg. Qty.
CFX3IW-X	Coupler fitting for use with LDPH3 raceway.	Off White	10
CFX5IW-X	Coupler fitting for use with LDPH5 raceway.	Off White	10
CFX10IW-X	Coupler fitting for use with LD10 raceway.	Off White	10
RAFX3IW-X	Right angle fitting for use with LDPH3 raceway.	Off White	10
RAFX5IW-X	Right angle fitting for use with LDPH5 raceway.	Off White	10
RAFX10IW-X	Right angle fitting for use with LDPH10 raceway.	Off White	10
ICFX3IW-X	Inside corner fitting for use with LDPH3 raceway.	Off White	10
ICFX5IW-X	Inside corner fitting for use with LDPH5 raceway.	Off White	10
ICFX10IW-X	Inside corner fitting for use with LDPH10 raceway.	Off White	10
OCFC3IW-X	Outside corner fitting for use with LDPH3 raceway.	Off White	10
OCFC5IW-X	Outside corner fitting for use with LDPH5 raceway.	Off White	10
OCFC10IW-X	Outside corner fitting for use with LDPH10 raceway only.	Off White	10
TFX3IW-X	Tee fitting for use with LDPH3 raceway.	Off White	10
TFX5IW-X	Tee fitting for use with LDPH5 raceway.	Off White	10
TFX10IW-X	Tee fitting for use with LDPH10 raceway only.	Off White	10
CRFX5IW-X	Four-way cross fitting for use with LDPH5 raceway.	Off White	10
CEFXIW-X	Conduit entrance end fitting. This power rated two-piece fitting is designed to accommodate the entrance of 1/2" conduit or align with knockouts on surface mount electrical boxes. For use with LD3/LDPH3 and has breakouts available to work with LD5/LDPH5 and LD10/LDPH10. Cover and base snap together – no hardware is required.	Off White	10
ECFX3IW-X	End cap fitting for use with LDPH3 raceway.	Off White	10
ECFX5IW-X	End cap fitting for use with LDPH5 raceway.	Off White	10
ECFX10IW-X	End cap fitting for use with LDPH10 raceway.	Off White	10
DCEFXIW-X	Drop ceiling/entrance end fitting for use with LD3, LDPH3, LD5, LDPH5, LD10 and LDPH10 raceway. Use CA3IW-X or CA5IW-X adapters for LD3 or LD5 profile raceway.	Off White	10
RAEFXIW-X	Right angle/entrance end fitting for use with LD3, LDPH3, LD5, LDPH5, LD10 and LDPH10 raceway. CA3IW-X or CA5IW-X adapters for LD3 or LD5 profile raceway.	Off White	10
RFX53IW-X	Reducer fitting for use with LD3, LDPH3, LDS3, LD5, LDPH5 and LDS5 raceway. For in-line terminations, use with CFX5IW-X.	Off White	10
RFX103IW-X	Reducer fitting for use with LD3, LDPH3, LD10 and LDPH10 raceway. For in-line terminations, use with CFX10IW-X.	Off White	10
RFX105IW-X	Reducer fitting for use with LD5, LDPH5, LD10 and LDPH10 raceway. For in-line terminations, use with CFX10IW-X.	Off White	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® Type LD2P10 Multi-Channel Surface Raceway System

- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Routes power and data together
- One-piece hinged design allows cables to be laid in
- Tamper resistant
- Factory applied adhesive backing speeds installation
- Terminates using JBP1D, JBP2D, JBP2FS or JBP2S surface mount outlet box solutions



Left Internal Area = .43 Sq. In.
Right Internal Area = .50 Sq. In.

Part Number	Part Description	Raceway Size	Color	Length (Ft.)	Std. Ctn. Qty.
LD2P10IW8-A	Two channel tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape. Available in 8' lengths.	1.52" x.86" (39.0mm x 22.0mm)	Off White	8	160

LD2P raceway requires screw mounting if it is being used for power cabling applications.
Order number of feet required in multiples of standard length increments.

Multi-Channel Fittings for LD2P10

- Multi-channel fittings for LD2P10 are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling systems

CFX10

RAFX10

ICFX10

OCFX10

TFXD10

ECFX10

EEFX

Part Number	Part Description	Color	Std. Pkg. Qty.
CFX10IW-X	Coupler fitting for use with LD2P10 raceway.	Off White	10
RAFX10IW-X	Right angle fitting for use with LD2P10 raceway.	Off White	10
ICFX10IW-X	Inside corner fitting for use with LD2P10 raceway.	Off White	10
OCFX10IW-X	Outside corner fitting for use with LD2P10 raceway.	Off White	10
TFXD10IW-X	Tee fitting with divided insert to maintain separation of power and data cabling. For use with LD2P10 raceway.	Off White	10
ECFX10IW-X	End cap fitting for use with and LD2P10 raceway.	Off White	10
EEFXIW	Entrance end fitting for LD2P10 raceway. Breakouts for 1/2" and 3/4" diameter conduit.	Off White	1

See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Raceway Adapters for LD Raceway

- Fit into universal breakout of DCEFX or RAEFX fittings
- For use with types LD3, LDPH3, LD5 and LDPH5 raceway

CA3
CA5

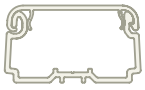
Part Number	Part Description	Color‡	Std. Pkg. Qty.
CA3IW-X	Adapter fits into universal breakout of DCEFX or RAEFX fittings. For use LD3, LDPH3 raceway.	Off White	10
CA5IW-X	Adapter fits into universal breakout of DCEFX or RAEFX fittings. For use LD5, LDPH5 raceway.	Off White	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

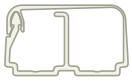
Cable Fill Capacities for LD Profile Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.

LD3	LD5	LD10
.21 in.²	.38 in.²	1.00 in.²



LDPH3	LDPH5	LDPH10
.17 in.²	.33 in.²	89 in.²



LD2P10—Left	LD2P10—Right
.43 in.²	.50 in.²

LDS3	LDS5
.21 in.²	.38 in.²

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

Raceway Type and Configuration	Fill Area (In.²)	Electrical Cables			Data Grade Cables		Data Grade Cables		Audio/Video		Fiber Optic Cable	
		14 AWG	12 AWG	10 AWG	23 AWG/UTP		23 AWG/UTP CM		RG6		2 Strand	
		THHN/T90			Category 6 (4-pr.)		Category 6A					
		0.111	0.130	0.164	Dia. = 0.240		Dia. = 0.285		Dia. = 0.275		Dia. = 0.175	
		FILL			FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
		(UL Temp Rise Test)			(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)
LD3	0.21	—	—	—	1	2	1	1	1	2	3	5
LD5	0.38	—	—	—	3	5	2	3	2	3	6	9
LD10	1.00	—	—	—	8	13	6	9	6	10	16	24
LDPH3	0.17	9	7	4	1	2	1	1	1	1	2	4
LDPH5	0.33	14	12	8	2	4	2	3	2	3	5	8
LDPH10	0.89	18	18	16	7	11	5	8	5	8	14	22
LD2P10 – Left channel	0.43	14	11	8	—	—	—	—	—	—	—	—
LD2P10 – Right channel	0.50	—	—	—	4	6	3	4	3	5	8	12

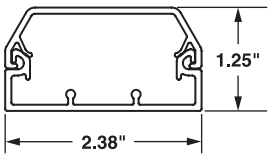
AWG dimensions represent typical outer cable diameter in inches.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® T-45 Surface Raceway System

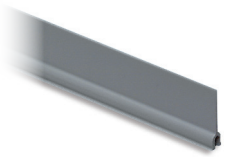
- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Hinged cover allows easy access from either side
- Optional factory applied adhesive backing speeds installation
- Supplied with pre-punched mounting holes
- Tamper resistant
- Terminates using the T-45 hinged data or power brackets, offset box, or surface mount outlet box solutions



T-45
Internal Area = 2.12 Sq. In.

T45B

T45C



T45DW

Part Number	Part Description	Raceway Size	Color	Length (Ft.)	Std. Ctn. Qty.
T-45 Raceway Base with Adhesive					
T45BIW8-A	T-45 raceway base in 8' and 10' lengths with adhesive. Supplied with pre-punched mounting holes.	2.38" x 1.25" (60.3mm x 32.0mm)	Off White	8	160
T45BIW10-A				10	200
T-45 Raceway Base without Adhesive					
T45BIW8	T-45 raceway base in 8' and 10' lengths with adhesive. Supplied with pre-punched mounting holes.	2.38" x 1.25" (60.3mm x 32.0mm)	Off White	8	160
T45BIW10				10	200
T-45 Raceway Cover					
T45CIW8	T-45 raceway cover in 8' and 10' lengths. Can be hinged open on either side of T-45 base.	—	Off White	8	160
T45CIW10				10	200
T-45 Raceway Divider Wall					
T45DW8	T-45 divider wall. Snaps onto rails in T-45 raceway base to create separate channels. Must use wire retainers to ensure channel separation per UL/CSA. Available in 8' and 10' lengths.	—	Gray	8	0
T45DW10				10	200

Order base and cover separately.
Order number of feet required in multiples of standard carton quantity.
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Pan-Way® T-45 Raceway Fittings

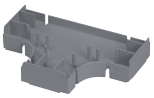
T45CC

T45RA

T45IC

T45OC

T45T


T45TD

T45EC

T45EE

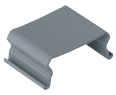
T45RLD

T45TRI

T45HDB

T45HEB

T45HEGB


T45WR-X

T45WC

T45WC2

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
T45CCIW-X	Cover coupler fitting. Used to join two pieces of T-45 cover together.	Off White	10	100
T45RAIW	Right angle fitting. Used to join sections of T-45 raceway at 90° flat junction.	Off White	1	10
T45ICIW	Inside corner fitting. Used to join T-45 raceway at inside corner.	Off White	1	10
T45OCIW	Outside corner fitting. Used to join T-45 raceway at 90° outside corner.	Off White	1	10
T45TIW	Tee fitting. Used to join T-45 raceway at tee intersections.	Off White	1	10
T45TD	Divided insert. Used to separate power and data within the T45TIW.	Gray	1	10
T45ECIW	End cap fitting. Used to terminate T-45 raceway.	Off White	1	10
T45EEIW	Entrance end fitting. With knockouts for 1/2", 3/4", 1" and 1 1/4" conduit which allows entry from ceiling or wall.	Off White	1	10
T45RLDIW	Reducer fitting. Reduces from T-45 to LD10 profile raceway.	Off White	1	10
T45TRI	Provides bend radius control at transition from T-70 to T-45 when used with T70TRIW.	Gray	1	10
T45HDBIW	Snap-on hinged data bracket. Used for mounting Panduit® Mini-Com® Modules vertically inline within T-45 raceway. Can be hinged opened on either side of T-45 base.	Off White	1	10
T45HEBIW	Electrical bracket and box. Used for mounting standard duplex electrical outlets.	Off White	1	10
T45HEGBIW	Electrical bracket and box. Used for mounting standard rectangular style electrical outlets.	Off White	1	10
T45WR-X	Wire retainers. Used to hold wires in place during installation.	Gray	10	100
T45WCIW	Offset box. Allows for the mounting of any standard electrical or communication outlet offset from the raceway channel. Box accepts any NEMA standard screw-on faceplate or Pan-Way® Electrical Snap-On Faceplates.	Off White	1	10
T45WC2IW	Offset box. Box accepts any Pan-Way® Communication Snap-On Faceplates.	Off White	1	10

See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

Cable Fill Capacities for T-45 Raceway

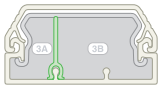
This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.

A = 2.13 in.²

Cable fill #1: T-45 with no devices.

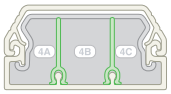
A = 1.72 in.²

Cable fill #2: T-45 with wire retainer.



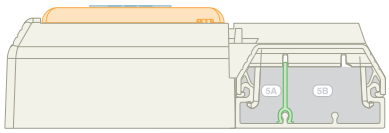
A = 0.44 in.² | B = 1.20 in.²

Cable fill #3: Power and data using a wire retainer and divider wall.



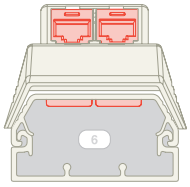
A = 0.44 in.² | B = 0.68 in.² | C = 0.44 in.²

Cable fill #4: Power and data using a wire retainer and divider walls.



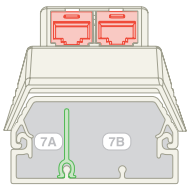
A = 0.41 in.² | B = 1.06 in.²

Cable fill #5: Power and data using the offset box.



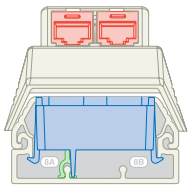
A = 2.00 in.²

Cable fill #6: Data only using hinged data bracket.



A = 0.52 in.² | B = 1.20 in.²

Cable fill #7: Power and data using hinged data bracket with divider insert.



A = 0.22 in.² | B = 0.50 in.²

Cable fill #8: Power and data using electrical bracket/box and hinged data bracket.

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

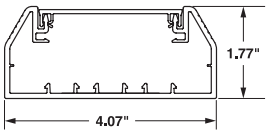
MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

	Raceway Type and Configuration	Fill Area (In.²)	Electrical Cables			Data Grade Cables		Data Grade Cables		Audio/Video		Fiber Optic Cable	
			14 AWG	12 AWG	10 AWG	23 AWG/UTP		23 AWG/UTP CM		RG6		2 Strand	
			THHN/T90			Category 6 (4-pr.)		Category 6A					
			0.111	0.130	0.164	Dia. = 0.240		Dia. = 0.285		Dia. = 0.275		Dia. = 0.175	
			FILL			FILL		FILL		FILL		FILL	
			MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
			(UL Temp Rise Test)			(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)
1.	T-45: No devices.	2.13	36	27	25	18	28	13	20	14	21	35	53
2.	T-45: No devices with wire retainer.	1.72	36	27	25	15	22	10	16	11	17	28	42
3A.	T-45: Power and data with wire retainer and divider wall (2 channels).	0.44	12	11	8	—	—	—	—	—	—	—	—
3B.		1.20	—	—	—	10	15	7	11	8	12	19	29
4A.	T-45: Power and data with wire retainer and two divider walls (3 channels).	0.44	12	11	8	3	5	2	4	2	4	7	10
4B.		0.68	—	—	—	6	9	4	6	4	6	11	16
4C.		0.44	—	—	—	3	5	2	4	2	4	7	10
5A.	T-45: Power and data using the offset box.	0.41	12	11	8	—	—	—	—	—	—	—	—
5B.		1.06	—	—	—	9	14	6	9	7	10	17	26
6.	T-45: Data only using data bracket.	2.00	—	—	—	17	26	12	18	13	20	33	49
7A.	T-45: Power and data using hinged data bracket with divider insert.	0.52	12	11	8	—	—	—	—	—	—	—	—
7B.		1.20	—	—	—	10	15	7	11	8	12	19	29
8A.	T-45: Power and data using electrical bracket and box.	0.22	9	7	4	—	—	—	—	—	—	—	—
8B.		0.50	—	—	—	4	6	3	4	3	5	8	12

AWG dimensions represent typical outer cable diameter in inches.

Pan-Way® T-70 Surface Raceway System

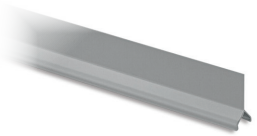
- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Large cable capacity with aesthetically pleasing design
- Tamper resistant
- Compatible with NEMA standard 70mm faceplates or Pan-Way® Classic Series Snap-On Faceplates
- Transitions to Panduit T-45 and LD profile raceway
- Supplied with pre-punched mounting holes



T-70
Internal Area = 5.15 Sq. In.

T70B

T70C


T70DW

Part Number	Part Description	Raceway Size	Color‡	Length (Ft.)	Std. Ctn. Qty.
T-70 Raceway Base					
T70BIW8	T-70 raceway base in 8' and 10' lengths with adhesive. Supplied with pre-punched mounting holes.	4.07" x 1.77" (103.3mm x 45.0mm)	Off White	8	48
T70BIW10				10	60
T-70 Raceway Cover					
T70CIW8	T-70, TG-70, or Twin-70 raceway cover in 8' and 10' lengths.	—	Off White	8	96
T70CIW10				10	120
T-70 Raceway Divider Wall					
T70DW8	T-70/Twin-70 raceway divider wall. Snaps onto rails in T-70/Twin-70 raceway base to create separate channels. Must use wire retainers to ensure channel separation per UL/CSA. Available in 8' and 10' lengths.	—	Gray	8	96
T70DW10				10	120

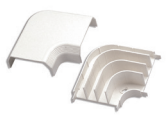
‡For other colors replace IW (Off White) with EI (Electric Ivory).
Order raceway base and cover separately.
Order number of feet required in multiples of standard carton quantity.
Twin-70, TG-70 raceway and Pan-Pole™ Communication Pole are available refer to www.panduit.com.
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Pan-Way® T-70 Raceway Fittings

- T-70 fittings are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling systems

T70CC

T70BC


T70RA

T70IC

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70CCIW-X	T-70 cover coupler fitting: Joins cover sections of T-70, Twin-70, and TG-70 raceway cover together.	Off White	10	100
T70BCIW-X	Base coupler fitting. Used to join sections of T-70 raceway base together.	Off White	10	10
T70RAIW	Right angle fitting. Used to join sections of T-70 raceway at right angles.	Off White	1	10
T70ICIW	Inside corner fitting. Used to join sections of T-70 raceway at inside corners.	Off White	1	10

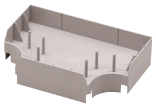
‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway line card for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® T-70 Raceway Fittings (continued)

T70OC

T70T


T70TD

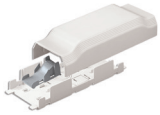
T70EC

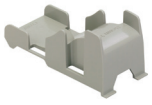
T70EE

T70TR
T70TRC

T70TRI

T70WM40TR


T70BF


T70BFI

T70WC

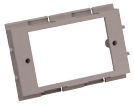
T70WC2

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70OCIW	Outside corner fitting. Used to join sections of T-70 raceway at outside corners.	Off White	1	10
T70TIW	Tee fitting. Used to join sections of T-70 raceway at tee intersections.	Off White	1	10
T70TD	T-70 tee fitting divider. Separates power and data within tee fitting. Replaces T70TDB, T70TDC, and T70TDT.	Gray	1	10
T70ECIW	End cap fitting. Used to terminate or allow entry to T-70 raceway with conduit breakouts of 1/2".	Off White	1	10
T70EEIW	Entrance end fitting. Conduit breakouts of 1/2", 3/4", 1" and 1 1/4" which allows entry from ceiling or wall.	Off White	1	10
T70TRIW	Transition fitting. Used to transition to any LD profile or T-45 raceway while maintaining channel separation. Fitting includes bend radius insert.	Off White	1	10
T70TRCIW	Transition fitting cover. Used to transition to any LD profile or T-45 raceway.	Off White	1	10
T70TRI	Divided insert for T-70 to LD2P10. Maintains channel separation within T70TRIW fitting.	Gray	1	10
T70WM40TRIW	WIREMOLD* 4000 to T-70 transition fitting. In-line transition fitting from WIREMOLD 4000 to T-70 raceway.	Off White	1	10
T70BFIW	Backfeed fitting. Allows cable entry through the back of the T-70 raceway.	Off White	1	10
T70BFI	Backfeed fitting insert. Bend radius insert to be used with T70BFIW.	Gray	1	10
T70WCIW	Workstation Outlet Center™ Offset Box for screw-on faceplates. Two-piece box and bracket accept any NEMA standard screw-on faceplate.	Off White	1	10
T70WC2IW	Workstation Outlet Center™ Offset Box for Pan-Way® Snap-On Faceplates. Two-piece box and bracket accept any standard electrical outlet. Accepts any Pan-Way® Snap-On Electrical/Communication Faceplates.	Off White	1	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White). *WIREMOLD is a registered trademark of the Wiremold Co.
Twin-70, TG-70 raceway and Pan-Pole™ Communication Pole are available refer to www.panduit.com.
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway Line card for additional information.

Pan-Way® T-70 Raceway Accessories

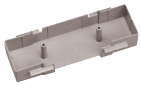
- T-70 raceway accessories consist of device mounting brackets, snap-on device brackets, hanging boxes and 3-sided hanging boxes used to mount NEMA standard single gang electrical outlets and/or communication devices

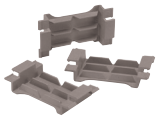

T70DB-X

T70SDB-X

T70HB-X

T70HB3-X


T70HB3GFCI-X


T70WR-X

T70S-X

T70FSB

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
T70DB-X	Device mounting bracket. Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates. Can be used with T-70, Twin-70, and TG-70 raceway.	Gray	10	—
T70SDB-X	Standard faceplate bracket. Used to mount NEMA standard 70mm single gang screw-on faceplates. Can be used with T-70, Twin-70, TG-70 raceway and Pan-Pole™ Communication Pole.	Gray	10	—
T70HB-X	Hanging box. Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway. For use in T-70 and Twin-70 raceway only.	Gray	10	—
T70HB3-X	3-sided hanging box. Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway. Box is low profile for increased channel capacity and does not require breakout removal. For use with T-70 and Twin-70 raceway only.	Gray	10	—
T70HB3GFCI-X	T70 GFCI 3-sided hanging box. Accepts single gang U.S. GFCI (ground fault circuit interrupter) standard electrical devices. Provides increased internal area for connections and excess wire.	Gray	10	—
T70WR-X	Wire retainer. Holds wires in place during installation.	Gray	10	100
T70S-X	Spacer plate. Used to mount the CBX4 surface mount box onto the T70DB-X or T70HB-X/T70HB3-X.	—	10	—
T70FSB	Fiber spool bracket. Each piece consists of two halves that snap into base of T-70 or Twin-70 raceway. Provides method to contain one meter or more of fiber slack and acts as a strain relief while maintaining a minimum 30mm bend radius. Bracket separation can be adjusted to fit the length of slack required.	Gray	1	10

Twin-70, TG-70 raceway and Pan-Pole™ Communication Pole available refer to www.panduit.com.
See D-SRSG02--WW-ENG, Surface Raceway Selection Guide or D-SRLC01--WW-ENG, Surface Raceway Line card for additional information.

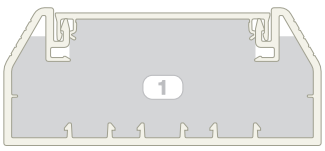
Use the T70FSB with T-70 or Twin-70 raceway to contain 1m or more of fiber slack while maintaining a 30mm cable bend radius. Brackets are adjustable for slack length.

Use T70S-X spacer plate for mounting the CBX4 surface mount box on T-70 or T702.

Order number of pieces required, in multiples of Standard Package Quantity.

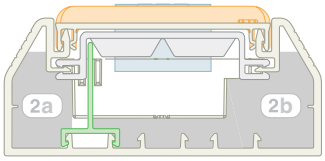
Cable Fill Capacities for T-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.



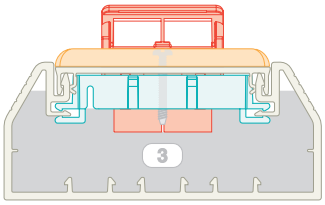
A = 5.15 in.²

Cable fill #1: Raceway with no devices.



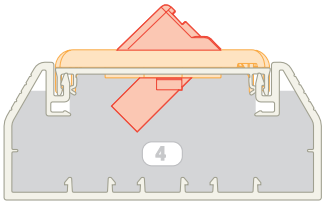
A = .86 in.² B = 1.72 in.²

Cable fill #2: Power and data using 3-sided hanging box and device bracket.



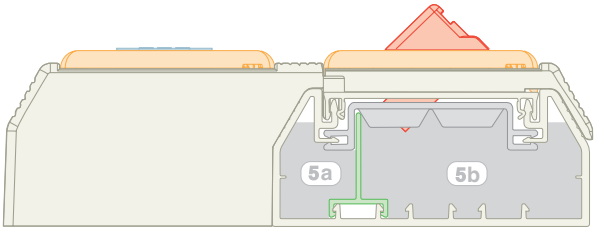
A = 3.67 in.²

Cable fill #3: Data only using vertical sloped screw-on communication faceplates.



A = 4.71 in.²

Cable fill #4: Data only using horizontal sloped snap-on communication faceplates.



A = .91 in.² B = 3.12 in.²

Cable fill #5: Power and data using the Workstation Outlet Center™ Offset Box.

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

	Raceway Type and Configuration	Fill Area (In.²)	Electrical Cables			Data Grade Cables		Data Grade Cables		Audio/Video		Fiber Optic Cable	
			14 AWG	12 AWG	10 AWG	23 AWG/UTP CM		23 AWG/UTP CM		RG6		2 Strand	
			THHN/T90			Category 6 (4-pr.)		Category 6A					
			0.111	0.130	0.164	Dia. = 0.240		Dia. = 0.285		Dia. = 0.275		Dia. = 0.175	
			FILL			FILL		FILL		FILL		FILL	
			MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
			(UL Temp Rise Test)			(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)
1.	T-70: No devices.	5.15	24	20	15	45	68	32	48	34	52	85	128
2A.	T-70: Power and data using the 3-sided hanging box and device bracket.	0.86	14	11	7	—	—	—	—	—	—	—	—
2B.		1.72	—	—	—	15	22	10	16	11	17	28	42
3.	T-70: Data only (screw-on faceplates).	3.67	—	—	—	32	48	23	34	24	37	61	91
4	T-70: Data only (snap-on faceplates).	4.71	—	—	—	41	62	29	44	31	47	78	117
5A.	T-70: Power and data using the Workstation Outlet Center™ Offset Box.	0.91	14	11	7	—	—	—	—	—	—	—	—
5B.		3.12	—	—	—	27	41	19	29	21	31	51	77

AWG dimensions represent typical outer cable diameter in inches.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Pan-Way® Surface Raceway Cutting Tool

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
SRT	Used to cut all LD profile raceway. Leaves a clean burr-free finish on raceway. Can also be used to cut plastic conduit.	1	10

Foam Tape

- Acrylic foam tape – Recommended for high temperature and outdoor applications (180°F) and exposure to UV light
- Rubber foam tape – Excellent quick tack designed for long term shear loads in indoor applications up to 120°F

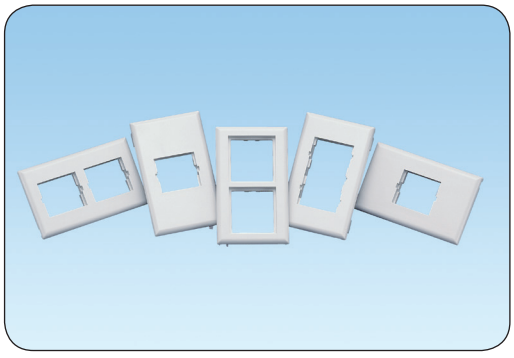
P32W2A2
P32W2R1

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
1/32" Thick White Acrylic Adhesive				
P32W2A2-50-7	Foam tape, 1/32" (thick) x .50" (wide) x 7 yards, acrylic adhesive.	White	1	100
P32W2A2-75-7	Foam tape, 1/32" (thick) x .75" (wide) x 7 yards, acrylic adhesive.	White	1	60
P32W2A2-100-7	Foam tape, 1/32" (thick) x 1" (wide) x 7 yards, acrylic adhesive.	White	1	50
P32W2A2-50-72	Foam tape, 1/32" (thick) x .50" (wide) x 72 yards, acrylic adhesive.	White	1	9
P32W2A2-75-72	Foam tape, 1/32" (thick) x .75" (wide) x 72 yards, acrylic adhesive.	White	1	7
P32W2A2-100-72	Foam tape, 1/32" (thick) x 1" (wide) x 72 yards, acrylic adhesive.	White	1	5
1/32" Thick White Rubber Adhesive				
P32W2R1-50-7	Foam tape, 1/32" (thick) x .50" (wide) x 7 yards, rubber adhesive.	White	1	100
P32W2R1-75-7	Foam tape, 1/32" (thick) x .75" (wide) x 7 yards, rubber adhesive.	White	1	60
P32W2R1-100-7	Foam tape, 1/32" (thick) x 1" (wide) x 7 yards, rubber adhesive.	White	1	50
P32W2R1-50-72	Foam tape, 1/32" (thick) x .50" (wide) x 72 yards, rubber adhesive.	White	1	9
P32W2R1-75-72	Foam tape, 1/32" (thick) x .75" (wide) x 72 yards, rubber adhesive.	White	1	7
P32W2R1-100-72	Foam tape, 1/32" (thick) x 1" (wide) x 72 yards, rubber adhesive.	White	1	5
P32W2R1-150-72	Foam tape, 1/32" (thick) x 1.5" (wide) x 72 yards, rubber adhesive.	White	1	4

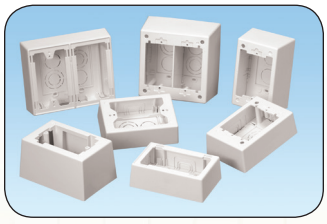
Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® Snap-On Faceplates and Surface Mount Outlet Boxes

Pan-Way® Snap-On Faceplates are designed for use with Panduit surface raceway systems and install faster than conventional screw-on faceplates, reducing labor costs and providing a more aesthetic appearance. Pan-Way® Snap-On Communication Faceplates are available in vertical and horizontal orientation and accept Panduit® Mini-Com® Copper and Fiber Optic Modules. Electrical outlets are available in colors to complement Panduit raceway and are available in 20 A, 106 duplex, rectangular, TVSS and GFCI.



- **Snap-On faceplates install without the use of screws providing faster installation and superior aesthetics**
- **Fast-Snap™ Boxes assemble without the use of screws and accept Pan-Way® Snap-On Faceplates**
- **Snap-On communication faceplates are available in horizontal or vertical sloped outlet configurations**
- **Snap-On electrical faceplates are available in 106 duplex or rectangular styles**



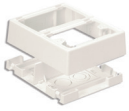
Surface mount outlet boxes are available for both power and communication applications. They are compatible with Pan-Way® LD, LDPH, LD2P10 and T-45 Raceway Systems. Pan-Way® Snap-On Faceplates mount directly to TG-70, T-70, Twin-70 raceways, Pan-Way® Fast-Snap™ Boxes and Pan-Pole™ Aluminum Outlet Poles.

Pan-Way® Fast-Snap™ Surface Mount Outlet Boxes

- JB1FS and JBP2FS assemble without the use of screws for faster installation
- JB1FS and JBP2FS are supplied with adhesive backing to speed installation
- JB1FS and JBP2FS accept Pan-Way® Snap-On Faceplates for superior aesthetics

JB1FS**-A

JBP1FS**



JBP2FS**

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
JB1FSIW-A	Single gang two-piece snap together outlet box with adhesive backing. Box accepts Pan-Way® Snap-On Faceplates. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.00"L x 3.26"W x 1.62"H (127.1mm x 82.7mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP1FSIW	Single gang power rated two-piece snap together outlet box. Box accepts Pan-Way® Snap-On Faceplates. For use with Pan-Way® T-45 or LD, LDP, LDPH profile raceways. Dimensions: 5.00"L x 3.26"W x 1.62"H (127.1mm x 82.7mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP2FSIW	Double gang power rated two-piece snap together outlet box. Box accepts Pan-Way® Snap-On Faceplates. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.00"L x 6.14"W x 1.62"H (127.1mm x 155.9mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
For complete labeling solutions refer to www.panduit.com.

Pan-Way® Classic Series Snap-On Faceplates for Use with Panduit® Mini-Com® Modules

Can be used with Pan-Way® TG-70, T-70, Twin-70, T-45 Raceway Systems, Fast-Snap™ Outlet Boxes and Pan-Pole™ Aluminum Outlet Pole

T70FH2

T70FH4

T70FV2

T70FV4

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70FH2IW	Snap-On horizontal sloped communication faceplate. Accepts two Panduit® Mini-Com® Modules (not included). No additional mounting hardware required.	Off White	1	10
T70FH4IW	Snap-On horizontal sloped communication faceplate. Accepts four Panduit® Mini-Com® Modules (not included). No additional mounting hardware required.	Off White	1	10
T70FV2IW	Snap-On vertical sloped communication faceplate. Accepts two Panduit® Mini-Com® Modules (not included). No additional mounting hardware required.	Off White	1	10
T70FV4IW	Snap-On vertical sloped communication faceplate. Accepts four Panduit® Mini-Com® Modules (not included). No additional mounting hardware required.	Off White	1	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
For complete labeling solutions refer to www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® Classic Series Snap-On Faceplates for Use with Panduit® Mini-Com® Inserts

- Single gang vertical or horizontal sloped communication faceplates accept one or two Panduit® Mini-Com® Inserts
- Can be used with Pan-Way® TG-70, T-70, Twin-70, T-45 Raceway Systems, Fast-Snap™ Outlet Boxes and Pan-Pole™ Aluminum Outlet Pole

T70BH1

T70BH2

T70B1

T70B2

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70BH1IW	Snap-On horizontal communication faceplate. Accepts one 1/2-size Panduit® Mini-Com® Insert and two modules. No additional mounting hardware required.	Off White	1	10
T70BH2IW	Snap-On horizontal communication faceplate. Accepts two 1/2-size Panduit® Mini-Com® Inserts and four modules. No additional mounting hardware required.	Off White	1	10
T70B1IW	Snap-On vertical communication faceplate. Holds one 1/2-size Panduit® Mini-Com® Insert and two modules. No additional mounting hardware required.	Off White	1	10
T70B2IW	Snap-On vertical communication faceplate. Holds two 1/2-size Panduit® Mini-Com® Inserts and four modules. No additional mounting hardware required.	Off White	1	10

‡For other colors replace IW (Off White) with EI (Electric Ivory), or WH (White).
For complete labeling solutions refer to www.panduit.com.

Pan-Way® Classic Series Snap-On Faceplates for Communication/Power

Can be used with Pan-Way® TG-70, T-70, Twin-70, T-45 Raceway Systems, Fast-Snap™ Outlet Boxes and Pan-Pole™ Aluminum Outlet Pole

T70P

T70PG

T70PS

T70PGS

T70PN

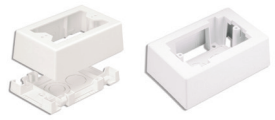
Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70PIW	Snap-On single gang 106 duplex electrical/communication faceplate. Used to cover one NEMA standard 106 duplex electrical outlet. In communication applications, covers one standard 106 duplex communication module frame.	Off White	1	10
T70PGIW	Snap-On single gang rectangular electrical/communication faceplate. Used to cover one NEMA standard rectangular electrical outlet. In communication applications, covers one standard rectangular communication module frame.	Off White	1	10
T70PSIW	Snap-On single gang 106 duplex communication faceplate. Used to cover one NEMA standard 106 duplex communication module frame. Module frame screw mounts directly to underside of Snap-On faceplate. No mounting device needed. Supplied with one mounting screw. Note: Not for use with electrical devices.	Off White	1	10
T70PGSIW	Snap-On single gang rectangular communication faceplate. Used to cover one NEMA standard rectangular communication module frame. Module frame screw mounts directly to underside of Snap-On faceplate. No mounting device needed. Supplied with two mounting screws. Note: Not for use with electrical devices.	Off White	1	10
T70PNIW	Snap-On single gang blank cover faceplate.	Off White	1	10

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
Component Labels for Pan-Way® Classic Series Snap-On Faceplates for Communication and Power, reference pg. H.9.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Pan-Way® Low Voltage Surface Mount Outlet Boxes

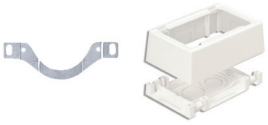
- JBX3510 assembles without the use of screws for faster installation
- JBX3510, JB1, and JB1D are supplied with adhesive backing to speed installation
- JB1 and JB1D are a one-piece design requiring no assembly



JBX3510**-A JB1**-A

JB1D**-A JBP2

JBP2D



JBA-X JB1FS**-A

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
JBX3510IW-A	Single gang two-piece snap together outlet box with adhesive backing. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® T45 or LD profile raceway. Dimensions: 5.00"L x 3.26"W x 1.62"H (127.1mm x 82.7mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JB1IW-A	Single gang one-piece outlet box with adhesive backing. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® LD profile raceway. Dimensions: 5.09"L x 3.34"W x 1.75"H (129.4mm x 85.0mm x 44.4mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JB1DIW-A	Single gang one-piece deep outlet box with adhesive backing. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® LD profile raceway. Dimensions: 5.23"L x 3.48"W x 2.75"H (133.0mm x 88.5mm x 69.8mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP2IW	Double gang two-piece screw together outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard double gang faceplates. For use with Pan-Way® LD profile raceway. Dimensions: 5.05"L x 5.0"W x 1.62"H (128.2mm x 128.2mm x 41.1mm). Breakouts for 1/2" or 3/4" diameter conduit.	Off White	1	10
JBP2DIW	Double gang two-piece screw together deep outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard double gang faceplate. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.19"L x 5.19"W x 2.75"H (131.9mm x 131.9mm x 69.8mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBA-X	In-wall box adapter. Adapts single gang surface mount outlet boxes to in-wall conduit boxes.	—	10	100
JB1FSIW-A	Single gang two-piece snap together outlet box with adhesive backing. Box accepts Pan-Way® Snap-On Faceplates. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.00"L x 3.26"W x 1.62"H (127.1mm x 82.7mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10

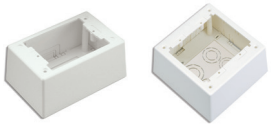
‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® Power Rated Surface Mount Outlet Boxes

- JBP1FS and JBP2FS assemble without the use of screws for faster installation
- JBP1FS and JBP2FS are supplied with adhesive backing to speed installation
- JBP1FS and JBP2FS accept Pan-Way® Snap-On Faceplates for superior aesthetics

JBP1 JBP2



JBP1D JBP2D

JBP1E JBP1I

PSJBX

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
JBP1IW	Single gang two-piece screw together outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® LD profile raceway. Dimensions: 5.19"L x 3.45"W x 1.75"H (131.9mm x 87.7mm x 44.4mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP2IW	Double gang two-piece screw together outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard double gang faceplates. For use with Pan-Way® LD profile raceway. Dimensions: 5.05"L x 5.05"W x 1.62"H (128.2mm x 128.2mm x 41.1mm). Breakouts for 1/2" or 3/4" diameter conduit.	Off White	1	10
JBP1DIW	Single gang two-piece screw together deep outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® T-45, LD2P10 (when used with JBD1), or LD profile raceway. Dimensions: 5.19"L x 3.45"W x 2.75"H (131.9mm x 87.7mm x 69.8mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP2DIW	Double gang two-piece screw together deep outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard double gang faceplate. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.19"L x 5.19"W x 2.75"H (131.9mm x 131.9mm x 69.8mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP1EIW	Single gang two-piece screw together extension outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® LD profile raceway. Dimensions: 4.99"L x 3.30"W x 1.00"H (126.7mm x 83.8mm x 25.4mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP1IIW	Single gang two-piece screw together intermediate outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard single gang faceplate. For use with Pan-Way® LD profile raceway. Dimensions: 5.12"L x 3.38"W x 2.27"H (130.2mm x 86.0mm x 57.7mm). Breakouts for 1/2" or 3/4" diameter conduit.	Off White	1	10
PSJBXIW	Single gang two-piece snap together power source box. For use with Pan-Way® LDPH3, 5 or 10 profile raceway. Dimensions: 5.02"L x 3.32"W x 1.31"H (127.6mm x 83.0mm x 33.3mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBD1	Single gang pass-through divider. Allows power and communication outlets to be routed in series. For use with JBP1 or JBP1D when installing LD2P10 raceway.	Off White	1	10

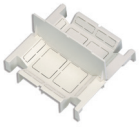
‡For other colors replace IW (Off White) with EI (Electric Ivory), or WH (White).

Continues on next page

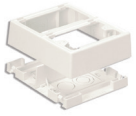
Pan-Way® Power Rated Surface Mount Outlet Boxes (continued)

JBD1

JBP2S


JBD2

JBP1FS


JBP2FS

JBP1MR20

JBP1MD20

RJBX3510

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
JBP2SIW	Double gang two-piece screw together divided outlet box. Box accepts Pan-Way® Screw-On Faceplates or any NEMA standard double gang faceplate. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.05"L x 5.05"W x 1.62"H (128.2mm x 128.2mm x 41.1mm). Breakouts for 1/2" or 3/4" diameter conduit.	Off White	1	10
JBD2	Double gang pass-through divider. Allows power and communication outlets to be routed in series. For use with JBP2D when installing LD2P10 raceway.	Off White	1	10
JBP1FSIW	Single gang power rated two-piece snap together outlet box. Box accepts Pan-Way® Snap-On Faceplates. For use with Pan-Way® T-45 or LD, LDP, LDPH, LDS profile raceways. Dimensions: 5.00"L x 3.26"W x 1.62"H (127.1mm x 82.7mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP2FSIW	Double gang power rated two-piece snap together outlet box. Box accepts Pan-Way® Snap-On Faceplates. For use with Pan-Way® T-45 or LD profile raceway. Dimensions: 5.00"L x 6.14"W x 1.62"H (127.1mm x 155.9mm x 41.1mm). Breakouts for 1/2", 3/4", or 1" diameter conduit.	Off White	1	10
JBP1MR20IW	Single gang two-piece power rated low profile snap together outlet box. Includes 20A U.S. style rectangular electrical outlet. For use with Pan-Way® LDPH3, 5 or 10 profile raceway only. Dimensions: 4.84"L x 2.90"W x 1.20"H (122.9mm x 73.6mm x 30.4mm).	Off White	1	10
JBP1MD20IW	Single gang two-piece power rated low profile snap together outlet box. Includes 20A U.S. style 106 duplex electrical outlet. For use with Pan-Way® LDPH3, 5 or 10 profile raceway only. Dimensions: 4.84"L x 2.90"W x 1.22"H (122.9mm x 73.6mm x 30.9mm).	Off White	1	10
RJBX3510IW	Single gang two-piece screw together round outlet box. Box accepts UL/CSA devices not to exceed 10 lbs. (5 lbs. per CSA). For use with Pan-Way® LD profile raceway. Dia. = 5.48"D x 1.14"H (139.2mm x 29.0mm). Breakouts for 3/4" or 1" diameter conduit.	Off White	1	5

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).

Order number of pieces required, in multiples of Standard Package Quantity.

Pan-Way® Classic Series Faceplates for Power and Communication Applications

For use with JBP2S or JBP2D outlet boxes

FP2DC

FP2RC

CP106

CP106**-2G

CPG

CPG**-2G

CPN

CPN**-2G

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
FP2DCIW	Covers one NEMA standard 106 duplex electrical receptacle and accepts Panduit® Mini-Com® 1/2-size, 1/3-size, and 2/3-size Inserts. For product application, reference LD profile raceway section.	Off White	1	10
FP2RCIW	Covers one NEMA standard rectangular electrical receptacle and accepts Panduit® Mini-Com® 1/2-size, 1/3-size, and 2/3-size Inserts. For product application, reference LD profile raceway section.	Off White	1	10
CP106IW	Screw-on single gang 106 duplex faceplate. Covers one NEMA standard 106 duplex electrical outlet or one standard 106 communication module frame.	Off White	1	10
CP106IW-2G	Screw-on double gang 106 duplex faceplate. Covers two NEMA standard 106 duplex electrical outlets or two standard 106 communication module frames.	Off White	1	10
CPGIW	Screw-on single gang rectangular faceplate. Covers one NEMA standard rectangular electrical outlet or one standard rectangular communication module frame.	Off White	1	10
CPGIW-2G	Screw-on double gang rectangular faceplate. Covers two NEMA standard rectangular electrical outlets or two standard rectangular communication module frames.	Off White	1	10
CPNIW	Screw-on single gang blank cover faceplate. Can be used with Pan-Way® TG-70, T-70, Twin-70, T-45 Raceway Systems, Fast-Snap™ Outlet Boxes and Pan-Pole™ Aluminum Outlet Pole. Supplied with two mounting screws.	Off White	1	10
CPNIW-2G	Screw-on double gang blank cover faceplate. For use with Pan-Way® Surface Mount Outlet Boxes. Supplied with four mounting screws.	Off White	1	10

‡For other colors replace suffix IW (Off White) with EI (Electric Ivory) or WH (White).
All faceplates supplied with mounting screws.
For complete labeling solutions refer to www.panduit.com.

A. About Panduit
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O. Part Number Index

Pan-Way® Electrical Outlets

Electrical outlets are standard electrical devices that fit into Pan-Way® Outlet Boxes or any NEMA standard outlet boxes

EDU20

ERU20

ETU20

EGU20

Part Number	Part Description	Color‡	Std. Pkg. Qty.
EDU20IW-X	20 A specification grade 106 duplex outlet.	Off White	10
ERU20IW-X	20 A specification grade rectangular outlet.	Off White	10
ETU20IW-X	20 A specification grade TVSS rectangular outlet (transient voltage surge suppressor).	Off White	10
EGU20IW-X	20 A specification grade GFCI rectangular outlet (ground fault circuit interrupter).	Off White	10

‡For other color, replace IW (Off White) with EI (Electric Ivory).
All outlets supplied with mounting screws.

Pan-Way® Surface Mount Outlet Box with 20 A Electrical Outlet

Supplied with a 20 A U.S. style rectangular electrical outlet and a 20 A 106 duplex electrical outlet

JBP1MR20

JBP1MD20

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
JBP1MR20IW	Single gang two-piece power rated low profile snap together outlet box. Includes 20 A U.S. style rectangular electrical outlet. For use with Pan-Way® LDPH3, 5 or 10 profile raceway only. Dimensions: 4.84"L x 2.90"W x 1.20"H (122.9mm x 73.6mm x 30.4mm).	Off White	1	10
JBP1MD20IW	Single gang two-piece power rated low profile snap together outlet box. Includes 20 A U.S. style 106 duplex electrical outlet. For use with Pan-Way® LDPH3, 5 or 10 profile raceway only. Dimensions: 4.84"L x 2.90"W x 1.22"H (122.9mm x 73.6mm x 30.9mm).	Off White	1	10

‡For other color replace IW (Off White) with EI (Electric Ivory).

Order number of pieces required, in multiples of Standard Package Quantity.

Selection Chart for using Pan-Way® Surface Raceway with Pan-Way® Surface Mount Outlet Boxes

How to use this chart:

1. **Locate the desired Pan-Way® Raceway in the left column.**
2. **Locate the desired Pan-Way® Outlet Box in the top row.**
3. **Match up the raceway with the outlet box to see if they are compatible (Y = yes, N = no).**
4. **Select correct surface mount outlet box.**

	Pan-Way® Surface Mount Outlet Boxes								
	Low Voltage or Fiber Optic ONLY	Power, Low Voltage, or Fiber Optic							
	JB1, JB1D JB1FS JBX3510	RJBX3510	JBP1	JBP1D	JBP1E	JBP1I JBP2	JBP2S JBP2D JBP2FS	JBP1MR20 JBP1MD20	PSJBX
Type LD (Low Voltage, or Fiber Optic ONLY)									
LD3	Y	Y	Y	Y	Y	Y	Y	N	Y
LD5	Y	Y	Y	Y	Y	Y	Y	N	Y
LD10	Y	Y	Y	Y	Y	Y	Y	N	Y
Type LDPH (Power, Low Voltage, or Fiber Optic)									
LDPH3	Y	Y	Y	Y	Y	Y	Y	Y	Y
LDPH5	Y	Y	Y	Y	Y	Y	Y	Y	Y
LDPH10	Y	Y	Y	Y	Y	Y	Y	Y	Y
Type LD2P10 (Power, Low Voltage, or Fiber Optic)									
LD2P10	N	N	N	Y w/JBD1	N	N	Y	N	N
Type T-45 (Power, Low Voltage, or Fiber Optic)									
T-45	Y (JB1FS and JBX3510)	N	N	Y	N	N	Y	N	N

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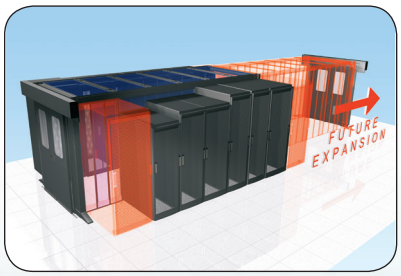
Notes

Order number of pieces required, in multiples of Standard Package Quantity.

Cabinets, Thermal, Racks and Cable Management Systems

Panduit provides leading edge cabinets, racks, and cable management solutions for telecommunications equipment rooms, data centers, and premise wiring applications. As the demand for system performance increases, it becomes essential to protect and manage cables to maintain system reliability and scalability. Panduit continues to provide innovative products that create end-to-end solutions for managing, protecting, and showcasing networks for lowest cost of ownership.



- **Net-Access™ Switch and Server Cabinets have been optimized for higher density switch and server applications. Superior cable management, inset frame, and in-cabinet ducting options ensure proper airflow for improved network performance and availability**
- **Panduit rack systems allow complete flexibility for a wide range of cable and equipment combinations and are designed to maximize cable access**
- **Vertical cable managers allow increased cable density for maximum space utilization and organization**
- **Panduit Thermal Management products meet the challenge to maximize available rack space and ensures uniform cooling air temperature is delivered to equipment in high density PODs, allowing full utilization of cabinet space and cooling capacity.**
- **Panduit® NetManager™ High Capacity Horizontal Cable Managers provide an efficient way to manage high performance copper, fiber, or coaxial cables**
- **CoolBoot® Raised Floor Air Sealing Grommet redirects conditioned air toward cooling network equipment**
- **Panduit cable management products and accessories maintain bend radius control and cable performance while bundling and securing cable to prevent snags and stress from overbending**

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Seal, Direct, Contain, and Monitor to Improve PUE

The Panduit Energy Efficient Data Center Cabinet System can greatly improve the energy efficiency of data centers while confidently increasing kW per cabinet density to increase utilization of data center space. Panduit Energy Efficient Data Center Cabinet System provides total separation allowing higher data center set points and reduced cooling system energy consumption by up to 40%.[1]

Seal every gap for complete separation of cooling and exhaust air

Net-Access™ Cabinets and Sealing Accessories eliminate leakage through the cabinet structure preventing re-circulation of hot exhaust air back into equipment inlets.

Direct cold air to where it is needed

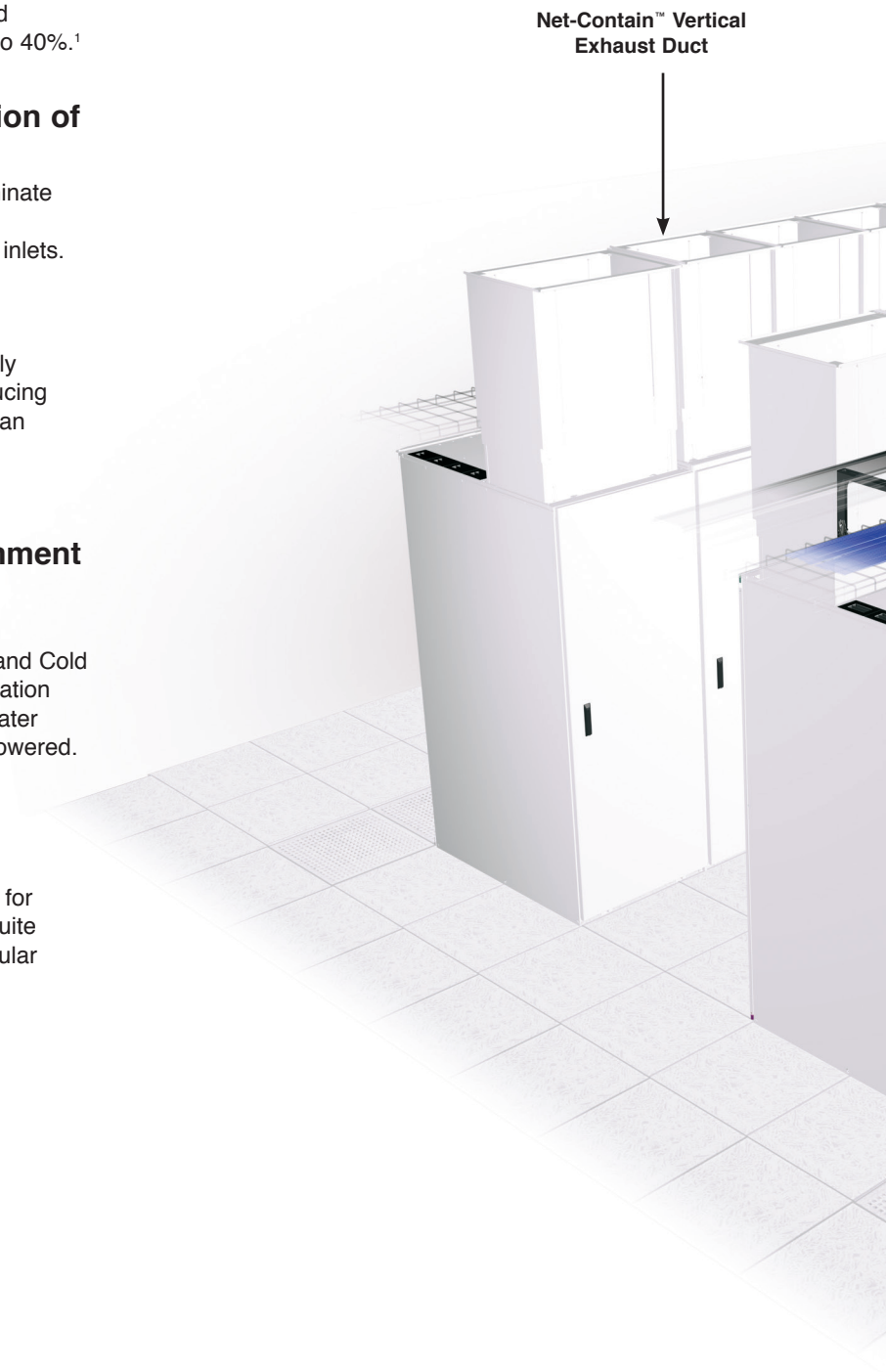
Net-Direct™ In-Cabinet Ducting directs cool air directly into the intake fans preventing recirculation and reducing inlet air temperature by as much as 14°C, lowering fan energy consumption[2].

Contain cooling and exhaust duct, universal, hot, and cold aisle containment systems for maximum cooling capacity efficiency

Net-Contain™ Vertical Exhaust Duct, Universal, Hot and Cold Aisle Containment Systems eliminate hot air recirculation and mixing with cold air allowing room and chilled water temperature set points to be raised and PUE to be lowered.

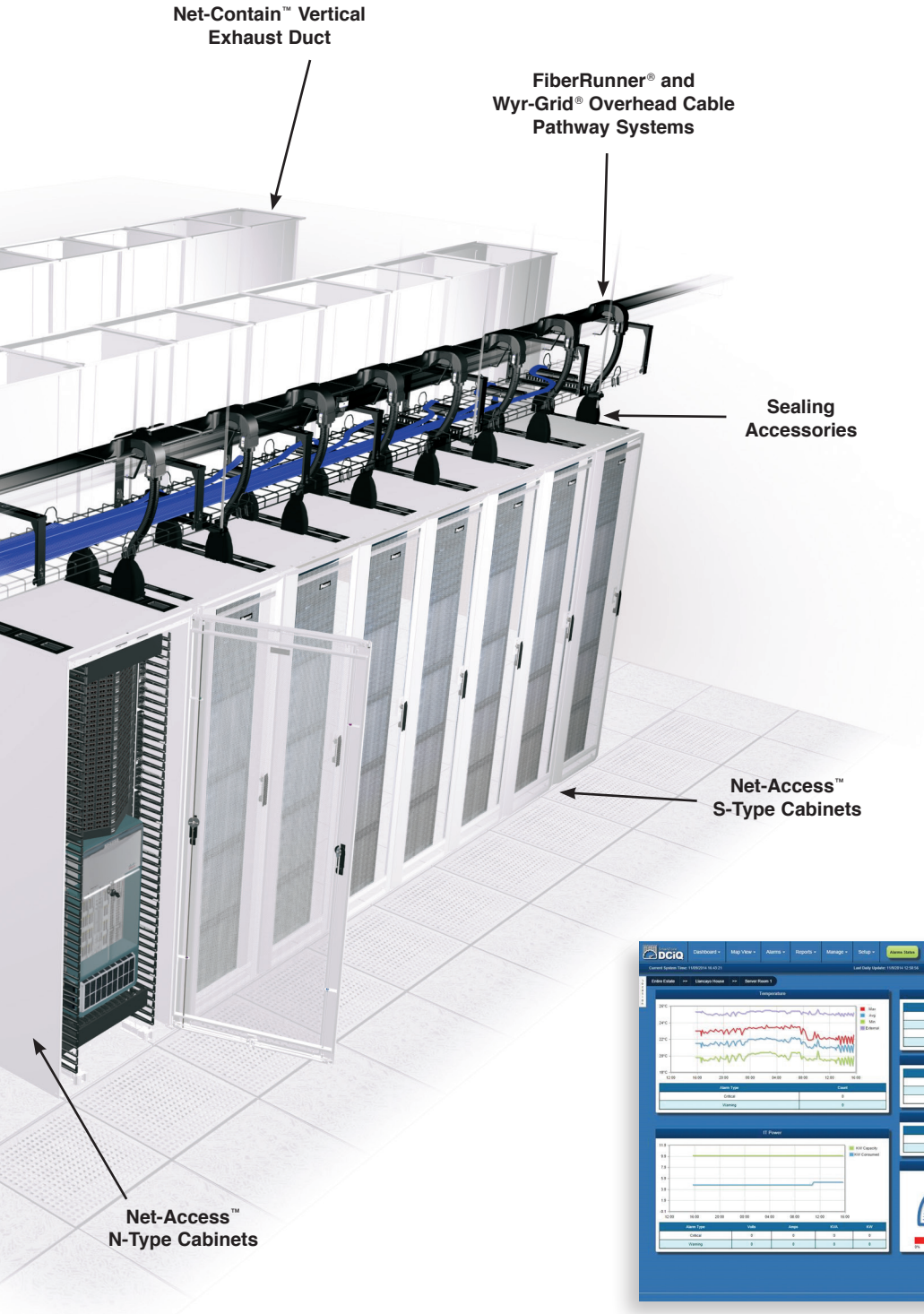
Monitor to maintain operational and energy efficiency

Once the physical infrastructure has been optimized for thermal efficiency, Panduit® SmartZone™ Software Suite allow continuous monitoring of highly accurate, granular PUE measurements in real-time to maintain thermal efficiency in dynamic data center environments.



1 Impact of Air Containment Systems, Panduit White Paper #WP-20, June 2012.
2 The Use of In-Cabinet Ducting to Improve Inlet Air Temperatures, Panduit White Paper RKAT02--WW-ENG, December 2012.

Order number of pieces required, in multiples of Standard Package Quantity.



Panduit® SmartZone™ Solutions Software and Hardware

The Energy Efficient Data Center Cabinet System can be seamlessly integrated with all elements of the Panduit Intelligent Data Center Solution, including Overhead Cable Pathway Systems, High Speed Data Transport (HSDT) Cabling, Grounding and Bonding and Physical Infrastructure Systems.

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Net-Access™ N-Type Cabinets

Optimum Accessibility and Cable Management for High Density Applications

Net-Access™ N-Type Cabinets are the first choice for data center managers and systems integrators specifying high density network, storage and compute applications that require optimal thermal management and the capacity to manage high cable densities.

Integral cabinet air seal features and integration with passive hot and cold air containment components drive efficient utilization of cooling capacity and reduce cooling energy consumption. The Net-Access™ inset frame design efficiently manages large quantities of cables and provides space for unmatched access reducing operational costs. This industry leading design also maximizes airflow and provides easy access to equipment for ongoing operational efficiencies, providing exceptional value in a 800mm (31.5") wide enclosure.

- **Inset frame provides up to 10% more space for cable management and cooling airflow**

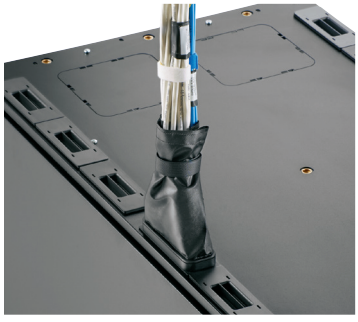
  Industry leading inset cabinet frame posts create a large area for airflow to provide proper heat dissipation and enable easy access to equipment, in-cabinet ducting and cabling, speeding deployments and reducing operational costs.

- **Dual hinged doors speed deployments and moves, adds, and changes up to 30%**

  IT staff is scarce, downtime is expensive. For a 120 rack dynamic data center, our cabinets save up to an hour a day, adding up to $18,250 per year savings. Allows for simple cross patching between adjoining cabinets.

- **Efficiently manage high cable densities**

  Modular snap in fingers align with rack spaces to simplify cable management, providing proper bend radius control and organizing cables for faster moves, adds and changes and installations.



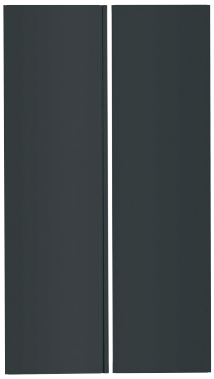
- **Outset Cable Entry**

  Does not intrude equipment rail spacing allowing for equipment to be installed in the top RUs, increasing space utilization.

Order number of pieces required, in multiples of Standard Package Quantity.

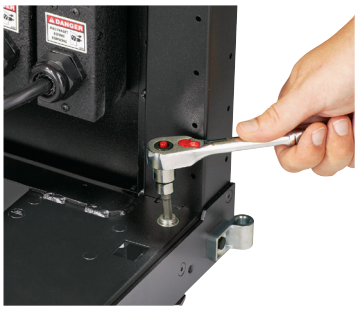
- **Open rail mounting creates more cable management space and equipment positioning flexibility**

  High strength frame eliminates need for support members between rails, providing unobstructed space between the frame and the side panels. This allows for better airflow, more room for cable management, flexibility with mounting locations of equipment and compatibility for ducting solutions.



- **Vertical split side panels enable fast access to equipment**

  Innovative vertical split side panels and optional vertical split hinged side panels allow fast easy access to end of row network equipment and cabling, eliminating time consuming handling. Optional end of row side panels allow easy access to the front of the cabinet. Side panels lock and unlock easily from inside the cabinet with no extra keys needed.



- **Innovative Leveling Feet Design Reduces Cabinet Installation Time up to 80%**

  Heavy duty, M14 thread top drive leveling feet are easily accessed outside the equipment zone and allow cabinets to be leveled in less time than typical leveling feet. The hex head design is less prone to stripping, especially under heavy loads.

- **Bond cabinets to the telecommunications grounding infrastructure with single connection, reducing installation time**

  Entire cabinet is fully electrically bonded, requiring no grounding whips to doors or side panels for protection of equipment and personnel. Integrally bonding the cabinet speeds deployment and improves efficiency of moves, adds, and changes.

Optimize the functionality of the cabinet with a full range of cable management accessories as shown on pages J.18 to J.23.

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Net-Access™ N-Type Cabinet Specifications

- Inset post design
- Welded and assembled steel frame construction
- Easy maintenance powder coat finish
- Adjustable rear equipment rails with continuous positioning
- Large cable entry/cable access
- Side panels
- Dual hinge front perforated door for maximum accessibility between adjacent cabinets with split perforated rear door with keyed swing handles
- Cabinet supplied with two sets of high density cable management fingers (SN25F)
- Cable entry holes are equipped with plastic sealing plugs
- UL 2416 standard compliant and have been static load tested to 1,360kg (3,000 lbs.)
- EIA-310-E compliant
- Rolling Load of 1,136kg (2,500 lbs.)
- Cabinet ships assembled, one per pallet
- N-Type Cabinets include hardware kit: #12-24 screws, or M6 screws and cage nuts
- Casters are supplied separately, see page J.19
- PDU brackets are supplied separately, see page J.18

Part Number Prefix Definition

Multiple cabinet solutions to meet project goals — from standard cabinets for quick turnaround to configured cabinets that meet specific requirements to optimize cabinet functionality.

Series	Nominal Width	Height	Nominal Depth	Side Panels	Colors
N	8 = 800mm	2 = 42 RU 5 = 45 RU 8 = 48 RU	1 = 1070mm 2 = 1200mm	2 = 2 side Panels* 9 = No Side Panel	B = Black W = White

*Standard side panel.

Net-Access™ N-Type Standard Cabinets

N-Type Width Part Number	Height	Width	Depth
With Side Panels			
N8212B	42 RU	800mm	1070mm
N8512B	45 RU		
N8222B	42 RU		1200mm
N8522B	45 RU		
Without Side Panels			
N8219B	42 RU	800mm	1070mm
N8519B	45 RU		
N8229B	42 RU		1200mm
N8529B	45 RU		

- Multiple Widths
- Multiple Heights
- Multiple Depths
- Doors – Single Hinge, Dual Hinge, Split Doors, or None
- Side Panels – 0, 1, or 2
- Black, White or Gray Finish
- #12-24 Tapped or Cage Nut Rails
- Standard, VED, Integral Cabinet Top Cable Routing System, or VED and Integral Cabinet Top Cable Routing System
- Vertical Patching
- Vertical Blanking Panels
- Cable Management
- Casters
- PDU Brackets
- Combination Locks

Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ N-Type Standard Configured Cabinets

Series	Width	Height	Depth	Side Panels	Colors	Standard Options (Select Only One)
N	8 = 800mm	2 = 42 RU 5 = 45 RU 8 = 48 RU	1 = 1070mm 2 = 1200mm	2 = 2 side Panels* 9 = No Side Panel	B = Black W = White	C = Cage Nut Rails E = Single Hinge Front Door and Cage Nut Rails S = No Doors** T = Integral Cabinet Top Cable Routing System** TC = Integral Cabinet Top Cable Routing System and Cage Nut Rails U = Vertical Blanking and Cage Nut Rails V = VED Ready** Y = VED Ready and Cage Nut Rails YT = VED Ready, Cage Nut Rails, and Integral Cabinet Top Cable Routing System

*Standard side panel. **Includes #12-24 tapped equipment rails. V, Y and YT - Only available for 1200mm deep cabinets.

Standard Configurations have 6 characters with only one standard option suffix.

N	8	2	1	2	B		

Net-Access™ Cable Capacity Charts

Top Cap Opening Cable Capacity									
Opening Size	Area		Cable Capacities						
	In.²	Cm.²	Cat. 6A 0.354"	Cat. 6A 0.310"	Cat. 6A 0.297"	Cat. 6 0.250"	Cat. 6 0.187"	Fiber (3mm)	QuickNet™ Cassettes
5" x 3.5"	15.6	100.7	63	82	90	127	227	569	8
5" x 1.5"	6.5	42.2	26	34	37	53	95	239	8

Cable pathways (Per Side)								
Cabinet Size (mm)	Area		Cable Capacities					
	In.²	Cm.²	Cat. 6A 0.354"	Cat. 6A 0.310"	Cat. 6A 0.297"	Cat. 6 0.250"	Cat. 5e 0.187"	Fiber (3mm)
N-Type (Front Side)								
800x1070	43.8	282.7	178	232	252	357	638	1599
800x1200	43.8	282.7	178	232	252	357	638	1599

Optimize equipment's performance with a wide range of accessories. For a full selection —see J.18 to J.23.

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Net-Access™ S-Type Cabinets

Cost Effective and Versatile Cabinets for all Data Center Applications and Facilities Designs

Net-Access™ S-Type Cabinets provide data center managers and systems integrators an unprecedented range of features in a cost effective cabinet platform for server, network, and pre-configured cabinet applications.

Integral cabinet air seal features and seamless integration with passive hot and cold air containment components provide efficient utilization of cooling capacity, and contribute to reduced cooling energy consumption. An innovative frame design maximizes RU utilization saving as much as 15% of the floor space while safely accommodating equipment loads. Offered in a variety of widths, heights, and depths, they can be specified for a variety of applications in any facility to meet the diverse application needs of today's data centers.

Large selection of standard cabinet widths, heights, and depths offered in:

- 600mm (24"), 700mm (28"), and 800mm (31.5") Widths
- 1070mm (42") and 1200mm (48") Depths
- 42 RU, 45 RU, and 48 RU Heights
- Available in black or white
- Static Load Rating 1,364 kg (3,000 lbs.)
- Rolling Load Rating 1,136 kg (2,500 lbs.)

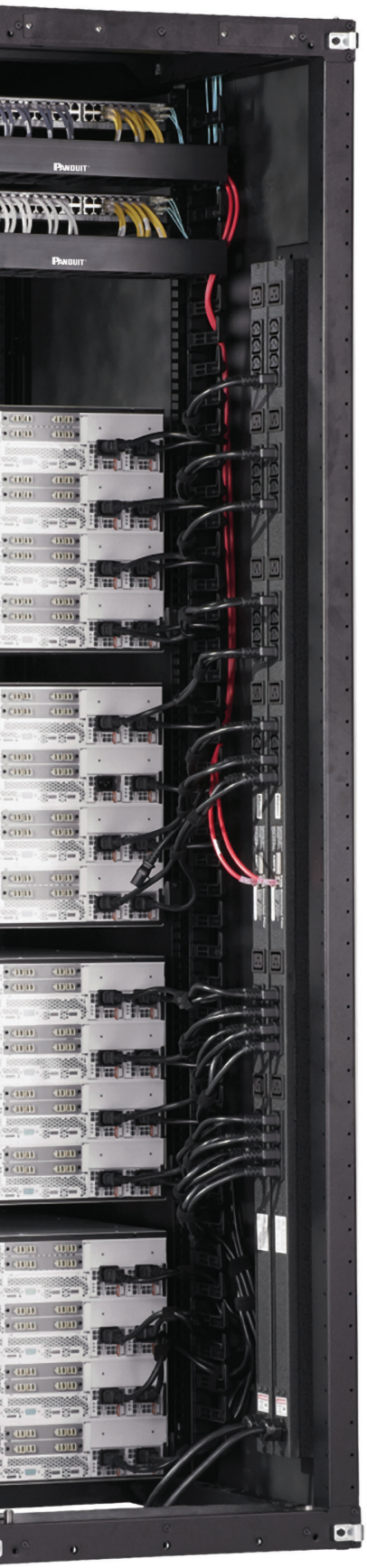
- **Open rail mounting creates more cable management space and equipment positioning flexibility**

  High strength frame eliminates need for support members between rails, providing unobstructed space between the frame and the side panels. This allows for better airflow, more room for cable management, flexibility with mounting locations of equipment and compatibility for ducting solutions.

- **Vertical split side panels**

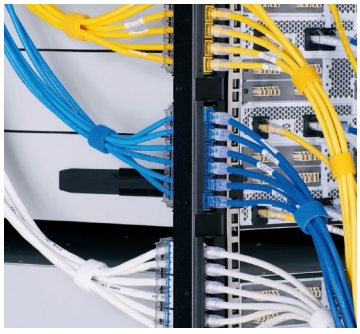
  Functional side panels that allow fast and easy access to the front or rear of the cabinet independently.

Order number of pieces required, in multiples of Standard Package Quantity.



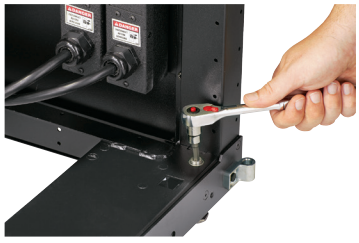
- **Out-Set Cable Entry Improves Floor Space Utilization up to 5%**

  Network cable entry locations are outside of equipment area, allowing top 2 RUs to be used, optimizing cabinet utilization and saving floor space.



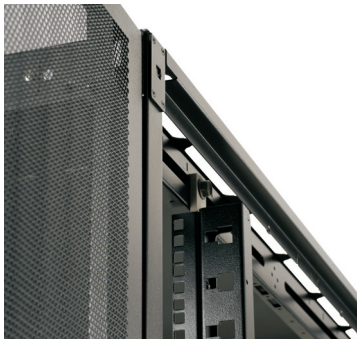
- **Zero RU E-Rail Vertical Patching Adds Capacity and Improves Floor Space Utilization up to 10%**

  Unique Zero RU E-Rail is the industry's only vertical patching system for 600mm (24") wide cabinets integrating with Quick-Net™ Copper and Fiber Cabling Systems, optimizing cabinet utilization and saving floor space.



- **Innovative Leveling Feet Design Reduces Cabinet Installation Time up to 80%**

  Heavy duty, M14 thread top drive leveling feet are easily accessed and allow cabinets to be leveled in less time than typical leveling feet.



- **Optional Front Adjustable Rails**

  Optional front adjustable rails provide additional flexibility for adoption of most equipment.

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Net-Access™ S-Type Cabinet Specifications

- Welded and assembled steel frame construction
- Easy maintenance powder coat finish
- Adjustable rear equipment rails with infinite positioning
- Side panels include keyed quarter-turn latches
- Large cable entry/cable access
- PDU brackets (SPDUBRK) included
- Cable entry holes are equipped with plastic sealing plugs
- Single hinge perforated front door with keyed swing handles
- Split perforated rear door with keyed swing handle
- UL 2416 standard compliant and have been static load tested to 1,360kg (3,000 lbs.)
- EIA-310-E compliant
- Rolling Load of 1,136kg (2,500 lbs.)
- Cabinet ships assembled, one per pallet
- S-Type Cabinets include hardware kit: M6 screws and cage nuts
- Vertical airdams included
- Casters are pre-installed

Part Number Prefix Definition

Multiple cabinet solutions to meet project goals — from standard cabinets for quick turnaround to configured cabinets that meet specific requirements to optimize cabinet functionality.

Series	Nominal Width	Height	Nominal Depth	Side Panels	Colors
S	6 = 600mm 7 = 700mm 8 = 800mm	2 = 42 RU 5 = 45 RU 8 = 48 RU	1 = 1070mm 2 = 1200mm	2 = 2 side Panels* 9 = No Side Panel	B = Black W = White

*Standard side panel.

Net-Access™ S-Type Standard Cabinets

S-Type	Height	S-Type Width			Depth
		800mm	700mm	600mm	
With Side Panels	42 RU	S8212B	S7212B	S6212B	1070mm
	45 RU	S8512B	S7512B	S6512B	
	42 RU	S8222B	S7222B	S6222B	1200mm
	45 RU	S8522B	S7522B	S6522B	
Without Side Panels	42 RU	S8219B	S7219B	S6219B	1070mm
	45 RU	S8519B	S7519B	S6519B	
	42 RU	S8229B	S7229B	S6229B	1200mm
	45 RU	S8529B	S7529B	S6529B	

Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ S-Type Standard Configured Cabinets

Series	Width	Height	Depth	Side Panels	Color	Standard Options (Select Only One)
S	6 = 600mm 7 = 700mm 8 = 800mm	2 = 42 RU 5 = 45 RU 8 = 48 RU	1 = 1070mm 2 = 1200mm	2 = 2 Side Panels* 9 = No Side Panel	B = Black W = White	A = Switch Configured with Front Cable Management (PDU bracket not included) A9 = Switch Configured with Front Cable Management and No Casters F = Vertical Cable Management Fingers P = Vertical Patching Equipment Rails S = No Doors T = Integral Cabinet Top Cable Routing System T9 = Integral Cabinet Top Cable Routing System and No Casters V = VED Ready V9 = VED Ready and No Casters 9 = No Casters

*Standard side panel. P - Only available for 600mm wide S-Type Cabinets. V and V9 - Only available for 1200mm deep cabinets.

Standard Configurations have 6 characters with only one standard option suffix.

S	6	2	1	2	B		

Net-Access™ Cable Capacity Charts

Top Cap Opening Cable Capacity									
Opening Size	Area		Cable Capacities						
	In.²	Cm.²	Cat. 6A 0.354"	Cat. 6A 0.310"	Cat. 6A 0.297"	Cat. 6 0.250"	Cat. 6 0.187"	Fiber (3mm)	QuickNet™ Cassettes
5" x 3.5"	15.6	100.7	63	82	90	127	227	569	8
5" x 1.5"	6.5	42.2	26	34	37	53	95	239	8

Optimize equipment's performance with a wide range of accessories. For a full selection — see pages J.18 to J.22.

Cable pathways (Per Side)								
Cabinet Size (mm)	Area		Cable Capacities					
	In.²	Cm.²	Cat. 6A 0.354"	Cat. 6A 0.310"	Cat. 6A 0.297"	Cat. 6 0.250"	Cat. 5e 0.187"	Fiber (3mm)
S-Type (Rear Side)								
800x1070	18.5	119.4	75	98	106	150	269	673
800x1200	30.5	196.8	123	161	176	248	444	1113
700x1070	32.4	208.9	131	171	186	263	471	1181
700x1200	53.4	344.4	216	282	308	434	777	1948
800x1070	46.3	298.4	187	245	267	376	673	1688
800x1200	76.3	491.9	309	404	440	621	1110	2783

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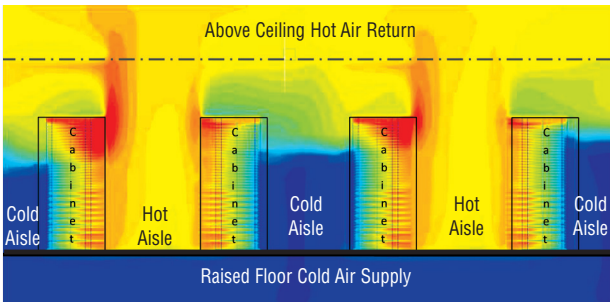
Net-Contain™ Vertical Exhaust Duct

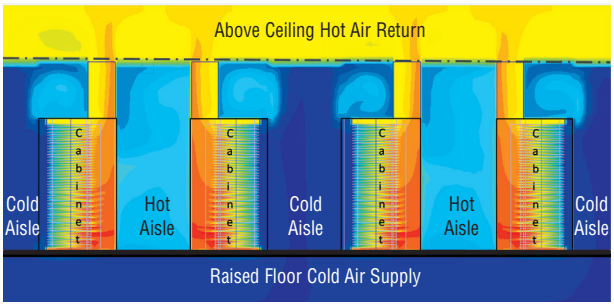
Passive Cooling for High Density Applications

Net-Contain™ Vertical Exhaust Duct (VED) Systems optimize cooling energy utilization to support high density heat loads to enable 30kW or greater per cabinet. VEDs passively separate hot exhaust air from cooling air and direct hot exhaust air from active equipment into the Computer Room Air Handler (CRAH) air return system, allowing higher return air temperature improving CRAH and heat exchanger system efficiency up to 40% or more.



Typical Data Center

- Cool air does not reach the top portions of the cabinets, making servers in the top rack units vulnerable to overheating
- Hot exhaust air is isolated and ducted directly to CRAH units



Data Center Utilizing Panduit® Net-Contain™ Vertical Exhaust Duct

- Uniform distribution of cool air reaching the top of the cabinet
- Hot exhaust air follows complex airflow path back to CRAH units

Net-Contain™ Vertical Exhaust Duct System Benefits

- **Flexibility and Versatility –** Multiple sizes, heights and adjustable height features allow system to adapt to virtually any data center structure including slab floors or raised floors and facilities with or without drop ceilings
- **Speed Deployment and Reduce Installation Cost –** Fast, simple assembly and integral ceiling seal reduce installation time by 30% compared to competitive offerings
- **Enhanced Data Center Environment –** Vertical Exhaust Duct and Net-Access™ Cabinets with sealed, solid rear doors dampen equipment noise
- **Bond Vertical Exhaust Duct with single connection improves system reliability and protection to personnel –** Entire VED is fully electrically bonded to the cabinet requiring no grounding whips for protection of equipment and personnel

Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ N-Type and S-Type Vertical Exhaust Duct (VED) Cabinets (VED Sold Separately)

N-Type VED Cabinet Components:

- #12-24 tapped rails
- Dual hinge front door/solid rear door
- Two sets of vertical cable management fingers
- VED top cap ready
- Vertical blanking panels with pass-throughs
- Rear floor seals
- No casters
- No PDU brackets

S-Type VED Cabinet Components:

- Cage nut rails
- Single hinge front door/solid single hinge rear door
- VED top cap ready
- Vertical blanking panels
- Front and rear floor seals
- Casters pre-installed
- PDU brackets pre-installed
- No cable management

Vertical Exhaust Duct (VED) Cabinets	Height	N-Type Width	S-Type Width			Depth
		800mm	800mm	700mm	600mm	
With Side Panels	42 RU	N8222BV	S8222BV	S7222BV	S6222BV	1200mm
	45 RU	N8522BV	S8522BV	S7522BV	S6522BV	
	48 RU	N8822BV	S8822BV	S7822BV	S6822BV	
Without Side Panels	42 RU	N8229BV	S8229BV	S7229BV	S6229BV	1200mm
	45 RU	N8529BV	S8529BV	S7529BV	S6529BV	
	48 RU	N8829BV	S8829BV	S7829BV	S6829BV	

VED cabinets only available in 1200mm depths.
For other colors replace suffix B (Black) with W (White).

Net-Contain™ Vertical Exhaust Ducts (VEDs)

Part Number	Description	Std. Pkg. Qty.
Net-Contain™ Vertical Exhaust Duct for Net-Access™ N-Type and S-Type Cabinets		
C2VED**I1626^^	Net-Contain™ VED **mm width cabinet — 406mm (16") up to 660mm (26") height ^^ colored.	1
C2VED**I2638^^	Net-Contain™ VED **mm width cabinet — 660mm (26") up to 965mm (38") height ^^ colored.	1
C2VED**I3866^^	Net-Contain™ VED **mm width cabinet — 965mm (38") up to 1676mm (66") height ^^ colored.	1

**08 = 800mm, 07 = 700mm, 06 = 600mm
^^B1 = Black, W1 = White

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Net-Access™ Dynamic Cabinets

The Net-Access™ Dynamic Cabinet is designed to allow the cabinet to be installed with equipment at one facility and safely shipped to another location. This is the ideal cabinet for System Integrators or Value Added Resellers as it allows the equipment to be pre-installed, cabled and ready for quick deployment. The heavy duty reinforced frame has been tested and approved to support the additional weight of equipment. A heavy duty shock pallet allows the cabinet to be shipped with equipment. The optional re-useable ramp allows the cabinet to be easily unloaded from the pallet.

Net-Access™ Dynamic Cabinet Specification

- Outset post design
- Welded and assembled steel frame construction
- Easy maintenance powder coat finish
- Adjustable rear equipment rails with continuous positioning
- Fixed front equipment rails
- Integral vertical airdams with covered cable pass-through openings
- Large cable entry/cable access
- Single hinge perforated front door with keyed swing handle
- Split hinge perforated rear door with keyed swing handle
- Optional split side panels on both sides with dual latches and keyed lock
- Two sets of PDU mounting brackets
- High density cable management fingers (SN25F)
- Select cable entry holes are equipped with plastic sealing plugs, others have cutouts
- Static load of 1,361kg (3,000 lbs.)
- Rolling load of 1,136kg (2,500 lbs.)
- Dynamic shipping load of 907kg (2,000 lbs.)
- EIA-310-E compliant
- Cabinet ships assembled, one per pallet
- Hardware kit: M6 screws and cage nuts
- Factory installed casters, swivel in the rear and fixed in the front
- Adjustable leveling legs
- Single point grounding locations

Part Number	Nominal Width	Height	Nominal Depth	Side Panels	Color	Ramp
S7222BDHRSP	700mm	42 RU	1200mm	2	Black	Yes
S7222BDHSP	700mm	42 RU	1200mm	2	Black	No
S7229BDHRSP	700mm	42 RU	1200mm	0	Black	Yes
S7229BDHSP	700mm	42 RU	1200mm	0	Black	No

Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ Enterprise Cabinets

The 12 and 24 RU Net-Access™ Enterprise Cabinets store switches, patching, and servers used in office and small business areas. They are easy to roll away under a desk or in a closet. The ability of the cabinet to easily move where needed, enables fast setups and quick changes of network capabilities. Perforated doors encourage air flow to help cool equipment in tight spaces.

12 RU

E6212B1

24 RU

E6412B1

Net-Access™ Enterprise Cabinet Specification

- Outset post design
- Welded and assembled steel frame construction
- Easy maintenance powder coat finish
- Adjustable rear equipment rails
- Fixed front equipment rails
- Integral vertical airdams
- Dual cut outs (1.5" x 5") in the rear cap of the cabinet for cable entry/cable access
- Single hinge perforated doors on front and rear with locks
- Side panels on both sides with ¼ turn locks
- Static load of 567kg (1,250 lbs.)
- Rolling load of 227kg (500 lbs.)
- EIA-310-E compliant
- Cabinet ships either fully assembled one per pallet, flat packed one per pallet, or flat packed 5 per pallet
- Hardware kit: M6 screws and cage nuts
- Swivel casters
- Adjustable leveling legs
- Single point grounding locations at bottom of cabinet

Part Number	Nominal Width	Height	Nominal Depth	Side Panels	Color	Packaging
E6212B1	600mm	12 RU	1070mm	2	Black	Assembled on pallet
E6212B1FP	600mm	12 RU	1070mm	2	Black	Flat packed on pallet
E6212B1FP5	600mm	12 RU	1070mm	2	Black	Five units flat packed on pallet
E6412B1	600mm	24 RU	1070mm	2	Black	Assembled on pallet
E6412B1FP	600mm	24 RU	1070mm	2	Black	Flat packed on pallet
E6412B1FP5	600mm	24 RU	1070mm	2	Black	Five units flat packed on pallet

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J. Cabinets, Racks & Cable Management Systems
K. Power Management
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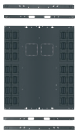
Net-Access™ Cabinet and Thermal Management Solution for Cisco^ Nexus 7018 Switch

Panduit offers a Net-Access™ Cabinet solution designed to meet the thermal and operating requirements of the modular, high density Cisco^ Nexus 7018 Switch. Based on a standard 800mm (31.5") wide Net-Access™ N-Type Cabinet, an easy to use expansion module provides space to route and manage high densities of cables. Internal ducting enables front to back cooling air flow and improved reliability.



- **Simple conversion for Standard 800mm N-Type Cabinet**

  Extension kit enables 800mm Net-Access™ N-Type Cabinet to be extended to 1000mm (40") wide, reducing shipping costs and simplifying handling.

- **Passive inlet and exhaust duct ensures cooling airflow**

  Prevents recirculation of exhaust air into the switch, ensuring lower inlet temperature and reduced fan energy consumption.

Net-Access™ N-Type Cabinet with Cisco^ Nexus 7018 Extension Kit Installed

DIEBCC7018B

DIRLD0425S27W

DIRLC7018VP51

DIRLC7018VP4248

N1000EXT

NVBPA7018B

NVPDUB7018

Part Number	Description	Std. Pkg. Qty.
7018 Ducting Solution		
DIEBCC7018B	Net-Direct™ Air Inlet and Exhaust Ducting (blanking panels not included) designed for Cisco^ Nexus 7018 switch in a 1000mm (W) Net-Access™ N-Type Cabinet.	1
DIRLD0425S27W	Net-Direct™ Air Inlet Ducting with left and right side blanking panels for 42/48 RU cabinet designed for Cisco^ Nexus 7018 switch in a 1000mm (W) Net-Access™ N-Type Cabinet.	1
DIRLC7018VP51	Net-Direct™ Air Inlet Ducting with left and right side blanking panels for 51 RU cabinets designed for Cisco^ Nexus 7018 switch in a 1000mm (W) Net-Access™ N-Type Cabinet.	1
DIRLC7018VP4248	Net-Direct™ Air Inlet Ducting with right side only blanking panels for 42/48 RU cabinet designed for Cisco^ Nexus 7018 switch in a 1000mm (W) Net-Access™ N-Type Cabinet.	1
7018 Cabinet Kits		
N1000EXT	Extension kit to expand 800mm (W) x 1200mm (D) Net-Access™ N-Type Cabinet to 1000mm. For use with cabinets N8229BS, N8529BS, and N8829BS.	1
N1000EXTCR	Extension kit to expand 800mm (W) x 1200mm (D) N-Type Cabinets to 1000mm, includes the intergral top cap. For use with cabinets N8229BS, N8529BS, and N8829BS.	1
N1000EXTCRV	Extension kit to expand 800mm (W) x 1200mm (D) N-Type Cabinets to 1000mm, VED ready. For use with cabinets N8229BS, N8529BS, and N8829BS.	1
N1000EXTV	Extension kit to expand 800mm (W) x 1200mm (D) N-Type Cabinets to 1000mm, includes the VED ready top cap. For use with cabinets N8229BS, N8529BS, and N8829BS.	1
7018 Vertical Blanking Panel		
NVBPA7018B	Vertical blanking panels with pass-through holes for 42 RU through 48 RU 1000mm (W) cabinet.	1
7018-Type Cabinet Split Doors		
N2SD1000	One set of split doors (used front or back) for 1000mm (W) Net-Access™ N-Type Cabinet 42 RU.	1
N5SD1000	One set of split doors (used front or back) for 1000mm (W) Net-Access™ N-Type Cabinet 45 RU.	1
N8SD1000	One set of split doors (used front or back) for 1000mm (W) Net-Access™ N-Type Cabinet 48 RU.	1
7018 N-Type Cabinet PDU Bracket		
NVPDUB7018	Net-Access™ N-Type PDU Bracket for 1000mm (W) cabinets.	1

^ Cisco and Cisco Nexus are registered trademarks Cisco Systems Technology, Inc. and/or its affiliates in the United States and certain other countries.

Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ Cabinet Top Cable Routing System

Optimize overhead space utilization

Net-Access™ Cabinets are available with a Cabinet Top Cable Routing System that protects, routes, and manages large quantities of twisted pair data cables into and out of any Net-Access™ Cabinet. This versatile system can be integrated easily in to the top of the cabinet and easily integrates with other cable pathways used throughout the data center, providing up to a 30% reduction in installation costs.

- Available as an integral design with the cabinet or as a stand-alone accessory
- When ordered integrated into the cabinet, the cabinet top cable routing system provides up to a 30% reduction in installation costs

SN7TCDW
SN8TCDW

SN1070CREC
SN1200CREC
SN1200VCREC

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Cabinet Top Cable Routing System				
STH61B		X	Cabinet Top Cable Routing System for a 600mm (W) x 1070mm (D) cabinet. Protects, routes and manages large quantities of cable into and out of any cabinet, Black.	1
STH62B		X	Cabinet Top Cable Routing System for a 600mm (W) x 1200mm (D) cabinet. Protects, routes and manages large quantities of cable into and out of any cabinet, Black.	1
STH71B		X	Cabinet Top Cable Routing System for a 700mm (W) x 1070mm (D) cabinet. Protects, routes and manages large quantities of cable into and out of any cabinet, Black.	1
STH72B		X	Cabinet Top Cable Routing System for a 700mm (W) x 1200mm (D) cabinet. Protects, routes and manages large quantities of cable into and out of any cabinet, Black.	1
SNTH81B	X	X	Cabinet Top Cable Routing System for a 800mm (W) x 1070mm (D) cabinet. Protects, routes and manages large quantities of cable into and out of any cabinet, Black.	1
SNTH82B	X	X	Cabinet Top Cable Routing System for a 800mm (W) x 1200mm (D) cabinet. Protects, routes and manages large quantities of cable into and out of any cabinet, Black.	1
SN7TCDW		X	Divider wall with screws for cabinet top cable routing system to enhance cable management. For 600mm and 700mm (W) cabinets, Black.	1
SN8TCDW	X	X	Divider wall with screws for cabinet top cable routing system to enhance cable management. For 800mm (W) cabinet, Black.	1
SN1070CREC	X	X	End of row cap kit for cabinet top cable routing system. Includes brackets and screws for 1070mm (D) cabinet, Black.	1
SN1200CREC	X	X	End of row cap kit for cabinet top cable routing system. Includes brackets and screws for 1200mm (D) cabinet, Black.	1
SN1200VCREC	X	X	End of row cap kit for cabinet top cable routing system. Includes brackets and screws for 1200mm (D) VED cabinet, Black.	1

For other colors replace suffix B (Black) with W (White).

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Net-Access™ Cabinet Accessories

SN15F

SN25F

S7VPPB

SN8VPPB

NERSS

NACSS

NVPDUB

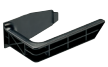
SPDUBRK

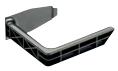
S2BRK6

S2BRK12

S1DR

S2DR


S1LR


S2LR

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
PDU Brackets and Cable Management				
SN15F	X	X	Finger Kit, 100mm (3.9") depth that attaches to posts on 42 RU through 48 RU cabinets. Kit includes fingers sections to complete two sides of posts. 4 each 5 RU right hand short finger sections, 4 each 5 RU left hand short finger sections, 3 each 8 RU right hand short finger sections and 3 each 8 RU left hand short finger sections.	1
SN25F	X	X	Finger Kit, 150mm (5.9") depth that attaches to posts on 42 RU through 48 RU cabinets. Kit includes fingers sections to complete two sides of posts. 4 each 5 RU right hand long finger sections, 4 each 5 RU left hand long finger sections, 3 each 8 RU right hand long finger sections and 3 each 8 RU left hand long finger sections.	1
S7VPPB		X	Vertical patching bracket for 700mm wide cabinets. Bracket to vertically mount 1 RU EI 19" products including copper and fiber patch panels and power outlet units.	1
SN8VPPB	X	X	Vertical patching bracket for 800mm wide cabinets. Bracket to vertically mount 1 RU EI 19" products including copper and fiber patch panels and power outlet units.	1
NERSS	X		End of row slack spool. Network cabinet end of row channel slack spool. Package includes 1 one left and one right spool bracket, 2 molded spools and one hardware kit. Mounts to side of cabinet posts.	1
NACSS	X		Center slack spool for between cabinets, adjustable 210mm (8.3") to 267mm (10.5"). Network cabinet adjustable center slack spool. Package includes 1 center spool bracket, 1 molded spool and one hardware kit. Mounts between 2 network cabinets to side of cabinet posts.	1
NVPDUB	X		PDU brackets, sold in pairs. Bracket for vertically mounting PDU's, not wider than 2.5". Mounts to cabinet posts.	1
SPDUBRK		X	PDU brackets, sold in pairs. Bracket for vertically mounting PDU's, not wider than 2.5". Mounts to cabinet posts.	1
S2BRK6		X	Combination PDU/cable management bracket, 152mm (6") wide full length for 42 RU through 48 RU cabinet. Will accept our S2DR (D-rings) and our S2LR (L-rings).	1
S2BRK12		X	Combination PDU/cable management bracket, 305mm (12") wide full length for 42 RU through 48 RU cabinet. Will accept our S2DR (D-rings) and our S2LR (L-rings).	1
S1DR		X	1 RU D-ring cable retainer, 80mm (3.1") x 40mm (1.5"), bag of 8 pcs, attaches to S2BRK6/S2BRK12.	1
S2DR		X	2 RU D-ring cable retainer, 80mm (3.1") x 80mm (3.1"), bag of 8 pcs, attaches to S2BRK6/S2BRK12.	1
S1LR		X	1 RU L-ring cable retainer, 60mm (2.2") x 100mm (3.8"), bag of 8 pcs, attaches to S2BRK6/S2BRK12.	1
S2LR		X	2 RU L-ring cable retainer, 85mm (3.4") x 100mm (3.8"), bag of 8 pcs, attaches to S2BRK6/S2BRK12.	1

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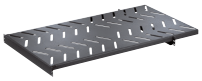
Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ Cabinet Accessories (continued)

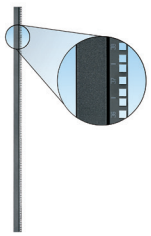


RSHLF23
RSHLF

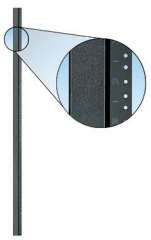
NCSTR4

SCSTR4

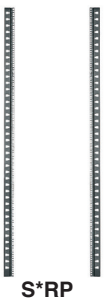
CCL3



SN*RC



N*RT



S*RP

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Shelves				
RSHLF23	X	X	Shelf Kit includes mounting bracket and screws. Shelf dimensions: 44mm (1.7")H x 483mm (19")W x 584mm (23")D. Load rating 275 lbs. (124kg).	1
RSHLF	X	X	Shelf Kit includes mounting bracket and screws. Shelf dimensions: 44mm (1.7")H x 483mm (19")W x 762mm (30")D. Load rating 275 lbs. (124kg).	1
Casters and Locks				
NCSTR4	X		Caster Kit. Two fixed casters for front of cabinet, two swivel casters for rear of cabinet, four mounting plates and 24 screws. Casters add 24mm (1") to height of cabinet.	1
SCSTR4		X	Caster Kit. Two fixed casters for front of cabinet, two swivel casters for rear of cabinet, and 16 screws. Casters add 24mm (1") to height of cabinet.	1
CCL3	X	X	Three digit combination lock with key over ride for single hinge or split doors. This combination lock can be installed on the S or N style cabinet single hinge front doors and rear perforated split doors. It easily replaces the standard locks. Combo locks for dual hinged doors are only available factory installed in the cabinet when configured as such.	1
Equipment Rails and Rail Kits				
SN2RC	X	X	Cage nut rear rails for 42 RU cabinet, sold in pairs.	1
SN5RC	X	X	Cage nut rear rails for 45 RU cabinet, sold in pairs.	1
SN8RC	X	X	Cage nut rear rails for 48 RU cabinet, sold in pairs.	1
N2RT	X		Tapped (#12-24) rear rails for 42 RU cabinet, sold in pairs.	1
N5RT	X		Tapped (#12-24) rear rails for 45 RU cabinet, sold in pairs.	1
N8RT	X		Tapped (#12-24) rear rails for 48 RU cabinet, sold in pairs.	1
S2RP		X	Vertical patching cage nut rails for 42 RU x 600mm (W) (Zero RU QuickNet) cabinet.	1
S5RP		X	Vertical patching cage nut rails for 45 RU x 600mm (W) (Zero RU QuickNet) cabinet.	1
S8RP		X	Vertical patching cage nut rails for 48 RU x 600mm (W) (Zero RU QuickNet) cabinet.	1
N2RCFR	X		Cage nut front and rear equipment rail kit for 42 RU cabinets.	1
N5RCFR	X		Cage nut front and rear equipment rail kit for 45 RU cabinets.	1
N8RCFR	X		Cage nut front and rear equipment rail kit for 48 RU cabinets.	1
N2RTFR	X		Tapped (#12-24) front and rear equipment rail kit for 42 RU cabinets.	1
N5RTFR	X		Tapped (#12-24) front and rear equipment rail kit for 45 RU cabinets.	1
N8RTFR	X		Tapped (#12-24) front and rear equipment rail kit for 48 RU cabinets.	1

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Net-Access™ Cabinet Accessories (continued)

S**SHDB

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Single and Dual Hinge Doors				
N82SHDB	X		Single hinge perforated door for 42 RU 800mm wide cabinet. Single hinge door quickly reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
N85SHDB	X		Single hinge perforated door for 45 RU 800mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
N88SHDB	X		Single hinge perforated door for 48 RU 800mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
N82DHDB	X		Dual hinge perforated door for 42 RU 800mm wide cabinet. Dual hinge door opens to the left and right to provide maximum accessibility to the cabinet. Open perforated design enables optimum airflow to equipment, Black.	1
N85DHDB	X		Dual hinge perforated door for 45 RU 800mm wide cabinet. Dual hinge door opens to the left and right to provide maximum accessibility to the cabinet. Open perforated design enables optimum airflow to equipment, Black.	1
N88DHDB	X		Dual hinge perforated door for 48 RU 800mm wide cabinet. Dual hinge door opens to the left and right to provide maximum accessibility to the cabinet. Open perforated design enables optimum airflow to equipment, Black.	1
S62SHDB		X	Single hinge perforated door for 42 RU 600mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S65SHDB		X	Single hinge perforated door for 45 RU 600mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S68SHDB		X	Single hinge perforated door for 48 RU 600mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S72SHDB		X	Single hinge perforated door for 42 RU 700mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S75SHDB		X	Single hinge perforated door for 45 RU 700mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S78SHDB		X	Single hinge perforated door for 48 RU 700mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S82SHDB		X	Single hinge perforated door for 42 RU 800mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S85SHDB		X	Single hinge perforated door for 45 RU 800mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1
S88SHDB		X	Single hinge perforated door for 48 RU 800mm wide cabinet. Single hinge door reverses from left-hinging to right hinging for increased data center design flexibility. Open perforated design enables optimum air flow to equipment, Black.	1

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Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ Cabinet Accessories (continued)

SN**SDB

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Split Doors				
S62SDB		X	Split doors for 42 RU 600mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
S65SDB		X	Split doors for 45 RU 600mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
S68SDB		X	Split doors for 48 RU 600mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
S72SDB		X	Split doors for 42 RU 700mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
S75SDB		X	Split doors for 45 RU 700mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
S78SDB		X	Split doors for 48 RU 700mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
SN82SDB	X	X	Split doors for 42 RU 800mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
SN85SDB	X	X	Split doors for 45 RU 800mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
SN88SDB	X	X	Split doors for 48 RU 800mm wide cabinet. Split doors open in the middle, minimize the door swing footprint and can be used in narrow data center hot aisles. Perforated design provides optimum air flow, Black.	1
Solid Doors for use with VED Cabinets				
S62SSHDB		X	Solid rear door for 42 RU x 600mm (W) cabinet, Black.	1
S65SSHDB		X	Solid rear door for 45 RU x 600mm (W) cabinet, Black.	1
S68SSHDB		X	Solid rear door for 48 RU x 600mm (W) cabinet, Black.	1
S72SSHDB		X	Solid rear door for 42 RU x 700mm (W) cabinet, Black.	1
S75SSHDB		X	Solid rear door for 45 RU x 700mm (W) cabinet, Black.	1
S78SSHDB		X	Solid rear door for 48 RU x 700mm (W) cabinet, Black.	1
SN82SHDB	X	X	Solid rear door for 42 RU x 800mm (W) cabinet, Black.	1
SN85SHDB	X	X	Solid rear door for 45 RU x 800mm (W) cabinet, Black.	1
SN88SHDB	X	X	Solid rear door for 48 RU x 800mm (W) cabinet, Black.	1

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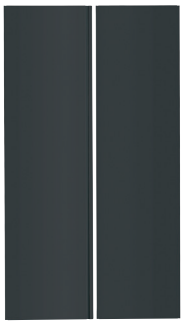
Net-Access™ Cabinet Accessories (continued)



N**SPS

N**SPH

S**SPSB

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Side Panels				
N21SPS	X		Split side panel for 42 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N51SPS	X		Split side panel for 45 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N81SPS	X		Split side panel for 48 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N22SPS	X		Split side panel for 42 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N52SPS	X		Split side panel for 45 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N82SPS	X		Split side panel set for 48 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N21SPH	X		Split hinged side panel for end of row application for 42 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N51SPH	X		Split hinged side panel for end of row application for 45 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N81SPH	X		Split hinged side panel for end of row application for 48 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N22SPH	X		Split hinged side panel for end of row application for 42 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N52SPH	X		Split hinged side panel for end of row application for 42 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
N82SPH	X		Split hinged side panel for end of row application for 42 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
S21SPSB		X	Split latching side panels for middle of row application for 42 RU x 1070mm (D) cabinet, Black.	1
S51SPSB		X	Split latching side panels for middle of row application for 45 x RU 1070mm (D) cabinet, Black.	1
S81SPSB		X	Split latching side panels for middle of row application for 48 x RU 1070mm (D) cabinet, Black.	1
S22SPSB		X	Split latching side panels for middle of row application for 42 x RU 1200mm (D) cabinet, Black.	1
S52SPSB		X	Split latching side panels for middle of row application for 45 x RU 1200mm (D) cabinet, Black.	1
S82SPSB		X	Split latching side panels for middle of row application for 48 x RU 1200mm (D) cabinet, Black.	1
S21SPSE		X	Split side panel for end of row application for 42 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1

Also available in white.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Net-Access™ Cabinet Accessories (continued)

S**SPSE

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Side Panels (continued)				
S51SPSE		X	Split side panel for end of row application for 45 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
S81SPSE		X	Split side panel for end of row application for 48 RU 1070mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
S22SPSE		X	Split side panel for end of row application for 42 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
S52SPSE		X	Split side panel for end of row application for 45 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1
S82SPSE		X	Split side panel for end of row application for 48 RU 1200mm depth cabinet. Removable solid side panels covers and protects cable and equipment, Black.	1

Also available in white.

Thermal Management Cabinet Accessories

NVBP

N2EOR1BA1070B1
N2EOR1CA1200B1

C2FAB**A1200B1

Part Number	N-Type Compatible	S-Type Compatible	Description	Std. Pkg. Qty.
Vertical Blanking Panels				
NVBP	X		Vertical blanking panels with pass-through holes for 42 RU through 48 RU 800mm (W) cabinets.	1
S6VBPN		X*	Vertical blanking panel for 600mm (W) cabinets.	1
S7VBPN		X*	Vertical blanking panel for 700mm (W) cabinets.	1
S8VBPN		X*	Vertical blanking panel for 800mm (W) cabinets with 25mm (1") x 127mm (5") knock-outs.	1
Floor Seals				
N2EOR1BA1070B1	X		End of row floor seal for 1070mm (D) cabinet.	1
N2EOR1CA1200B1	X		End of row floor seal for 1200mm (D) cabinet.	1
S2EOR1BA1070B1		X	End of row floor seal for 1070mm (D) cabinet.	1
S2EOR1CA1200B1		X	End of row floor seal for 1200mm (D) cabinet.	1
C2FAB06A1200B1		X	Front or back floor seal for 600mm (W) cabinet.	1
C2FAB07A1200B1		X	Front or back floor seal for 700mm (W) cabinet.	1
C2FAB08A1200B1	X	X	Front or back floor seal for 800mm (W) cabinet.	1

*For use with S-Type switch configured cabinets.

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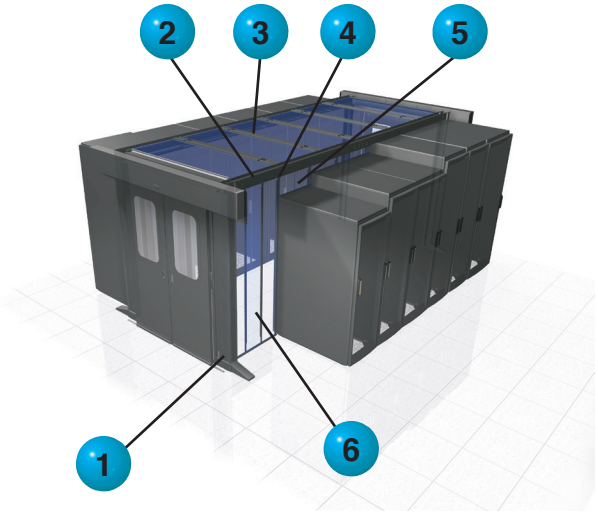
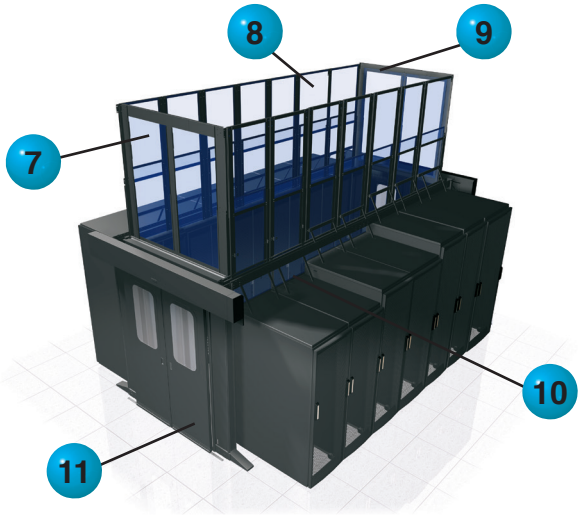
Net-Contain™ Universal Containment System

The Universal Containment System allows user to go back and reclaim underutilized cooling capacity, reduce energy expense and reduce OpEx by retrofitting the existing data center with an innovative containment system. The system includes independent support structure, sliding doors, vertical blanking panels, and roof structure.

This offering can be configured in Vertical Wall (Hot Aisle Containment) and Roof Containment (Cold Aisle containment) and allows the addition of cabinets (Panduit or non-Panduit) of varying sizes and design as needs dictate, reducing deployment time and capital investment.

Contact Panduit for more information or visit: www.panduit.com/universalaislecontainment





Roof Containment

Typically used for Passive Cold Aisle Containment; deployed either on raised floor or within-row cooling.

Vertical Wall Containment

Typically used for Passive Hot Aisle Containment or Ceiling Discharge Cold Aisle Containment.

	Part Number	Description
1	CUEFRT**ST^^	Net-Contain™ End of Row Frames
2	CUWBSS**ST^^	Net-Contain™ Wall Beam
3	CUSMPR52ST01NC	Net-Contain™ Mid-Span Cabinet Support
4	CURFS06F**HB^^	Net-Contain™ Integral Ceiling Structures
5	CUTBPR0610HBN1	Net-Contain™ Top of Cabinet Blanking Panel
6	CUFBPR**06HB^^	Net-Contain™ Full Blanking Panel
7	C2HACERI1626^^	Net-Contain™ End of Row Adjustable Vertical Wall
8	C2HAC**I1626^^	Net-Contain™ Adjustable Height Vertical Wall
9	CUVWB12S12ST^^	Net-Contain™ Vertical Wall Brace
10	CUVWA06S**ST^^	Net-Contain™ Vertical Wall Adapter
11	C2CACT5F**SD^^	Net-Contain™ Aisle Containment Sliding Door

^^B1 = Black, W1 = White.
**Please reference www.panduit.com for information on the Net-Contain Universal Containment System.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

CUEFRT8F**ST
CUEFRT9F**ST

CUSMPR52ST01B1

CUCMSS**ST01NC

C2CACT5F**SD

CURFS06F**HB
CURFS07F**HB
CURFS08F**HB

C2HACERI1626
C2HACERI2638
C2HACERI3866

CUVWA06S**ST

C2HAC**I1626
C2HAC**I2638
C2HAC**I3866

CUVWB12S12ST

CUWBSS**ST01

CUWBPS**ST02

CUFBPR**06HB

Part Number	Description	Std. Pkg. Qty.
End of Row Frame for Roofing		1
CUEFRT8F**ST^^	UAC End of Row Frame for Roofing – 42/45 RU high.	1
CUEFRT9F**ST^^	UAC End of Row Frame for Roofing – 48/52 RU high.	1

**04 = 4ft. (1219mm) aisle width, 06 = 6ft. (1829mm aisle width); ^^ B1 = Black, W1 = White.

Mid-Span Post		
CUSMPR52ST01B1	Mid-Span Post 42/52 RU high.	1
Mid-Span Cabinet Support		1
CUCMSS**ST01NC	Mid-Span Cabinet Support.	1

**03 = 0.98ft. (300mm), 06 = 1.97ft. (600mm)

Aisle Containment Sliding Doors		
C2CACT5F**SD^^	Sliding Door CAC for **ft. (**mm) aisle-capable of 42/45 RU ^^ colored.	1

**= 04 = 4ft. (1200mm), 06 = 6ft. (1800mm); ^^ B1 = Black, W1 = White.

Integral Ceiling Structures		
CURFS06F**HB^^	600mm Roofing Section.	1
CURFS07F**HB^^	700mm Roofing Section.	1
CURFS08F**HB^^	800mm Roofing Section.	1

**04 = 4ft. (1200mm) aisle width, 06 = 6ft. (1800mm aisle width); ^^ B1 = Black, W1 = White.

End of Row Frame for Vertical Walls 42/45 RU High		
CUEFVT8F04ST^^	End of Row Frame for Vertical Walls – 42/45RU – 4ft. (1200mm) aisle width.	1

^^ B1 = Black, W1 = White.

Adjustable End of Row Vertical Wall		
C2HACERI1626^^	Adjustable End of Row Vertical Wall (16" – 26") for 900mm/1000mm/1200mm aisle widths.	1
C2HACERI2638^^	Adjustable End of Row Vertical Wall (26" – 38") for 900mm/1000mm/1200mm aisle widths	1
C2HACERI3866^^	Adjustable End of Row Vertical Wall (38" – 66") for 900mm/1000mm/1200mm aisle widths.	1

^^ B1 = Black, W1 = White.

Vertical Wall Adapter		
CUVWA06S**ST^^	Vertical Wall Adapter.	1

**06 = 1.97ft. (600mm), 07 = 2.30ft. (700mm), 08 = 2.62ft. (800mm); ^^ B1 = Black, W1 = White.

Adjustable Height Vertical Walls		
C2HAC**I1626^^	Adjustable Vertical Wall (16" – 26").	1
C2HAC**I2638^^	Adjustable Vertical Wall (26" – 38").	1
C2HAC**I3866^^	Adjustable Vertical Wall (38" – 66").	1

**06 = 1.97ft. (600mm), 07 = 2.30ft. (700mm), 08 = 2.62ft. (800mm); ^^ B1 = Black, W1 = White.

Vertical Wall Brace		
CUVWB12S12ST^^	Vertical Wall Brace, 4ft. (1200mm) aisle width.	1

^^ B1 = Black, W1 = White.

Wall Beam		
CUWBSS**ST01^^	Wall Beam, 1 piece.	1
CUWBPS**ST02^^	Wall Beam, 2 pieces.	1

**06 = 1.97ft. (600mm), 07 = 2.30ft. (700mm), 08 = 2.62ft. (800mm); and 24 = 7.87ft. (2400mm);
^^ B1 = Black, W1 = White.

Full Blanking Panel		
CUFBPR**06HB^^	Full Blanking Panel 600mm (W).	1

**42 = 42 RU, 45 = 45 RU, 48 = 48 RU, 52 = 52 RU; ^^ B1 = Black, W1 = White.

Contact Panduit for more information or refer to www.panduit.com/universalaislecontainment

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CUTBPR0610HBN1

Part Number	Description	Std. Pkg. Qty.
Top of Cabinet Blanking Panel		
CUTBPR0610HBN1	Top of Cabinet Blanking Panel 600mm high x 1000mm wide.	1
End of Row Cap		
CUEOR09CPB1	900mm aisle width End of Row Cap - compatible with 42 RU, 45 RU, 48 RU and 52 RU cabinets.	1
CUEOR12CPB1	1200mm aisle with End of Row Cap - compatible with 42 RU, 45 RU, 48 RU and 52 RU cabinets.	1
CUEOR18CPB1	1800mm aisle with End of Row Cap - compatible with 42 RU, 45 RU, 48 RU and 52 RU cabinets.	1

Contact Panduit for more information or refer to www.panduit.com/universalaislecontainment

Net-Contain™ Cabinet Supported Cold Aisle/Hot Aisle Containment

The Net-Contain™ Cabinet Supported Cold Aisle Containment (CAC) System provides a physical separation between the cold air and the hot exhaust air by enclosing the cold aisle. The goal of a CAC system is to supply cold air to the cold aisle where the equipment air intakes are located to optimize airflow distribution and improve cooling system thermal performance. As a result, a cold aisle system is typically used in high-density data centers because it is more efficient to direct cold air onto densely populated racks than to cool the entire room.

The Net-Contain™ Cabinet Supported Hot Aisle Containment (HAC) System provides a physical separation between the cold air and the hot exhaust air by enclosing the hot aisle. The goal of a HAC system is to capture all of the cabinet exhaust air and return it to the cooling units. HAC optimizes airflow distribution and cooling system performance. The remaining area outside of the HAC becomes a cold room with ambient air temperature close to the supply air temperature.

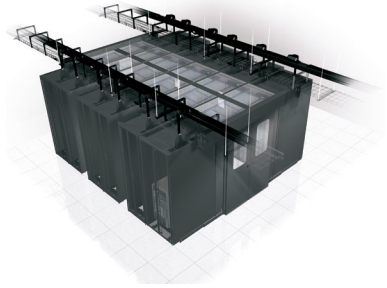
This integrated system is compatible with numerous Panduit product lines including; Net-Access™ N-Type and S-Type Cabinets, FiberRunner®, and Wyr-Grid® Overhead Cable Routing Systems.

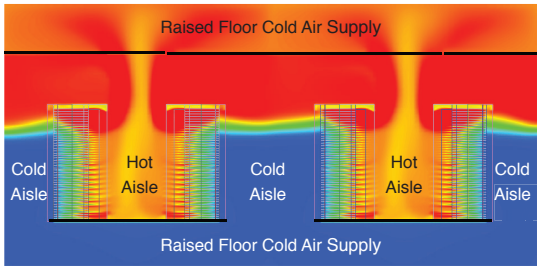
Benefits

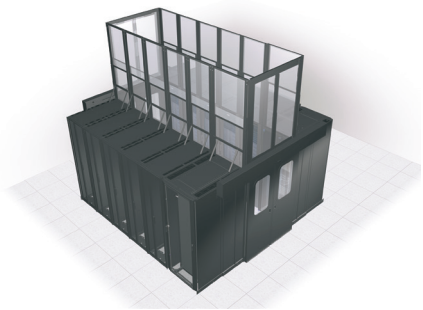
Energy Efficiency: Prevents hot spots and allows installation of high-density server cabinets close together in new builds or existing data centers, reducing the need for extra real estate and CRAH units lowering operating costs.

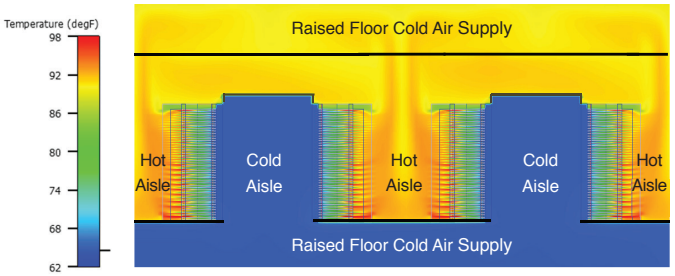
Optimized Airflow Distribution: Prevents mixing of cold and hot air streams; eliminates recirculation of hot air to cabinet inlets; provides uniform temperature at the inlets of IT equipment; prevents cold air bypass optimizing cool air delivery.

Improves Thermal Performance: Allows raising supply air set point temperature; higher return air temperature increases the thermal efficiency of cooling units, reducing cooling energy cost up to 25 – 30%.









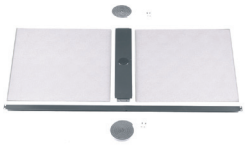
Order number of pieces required, in multiples of Standard Package Quantity.

Net-Contain™ Aisle Containment Systems

Panduit's Passive Cold Aisle Containment (CAC) and Hot Aisle Containment (HAC) Systems provide a physical separation between the cold air and the hot exhaust air. This integrated system is compatible with numerous Panduit product lines including; Net-Access™ N-Type and S-Type Cabinets, FiberRunner®, and Wyr-Grid® Overhead Cable Routing Systems.

Net-Contain™ Passive Cold Aisle Containment

C2CACT5F**SD^^



C2CAC06F**IR^^

C2CAC**F08WP^^

Part Number	Description	Std. Pkg. Qty.
Aisle Containment Sliding Doors		
C2CACT5F**SD^^	Sliding Door CAC for either 4 ft. or 6 ft. aisle – capable of 42 up to 45 RU – Black or White available.	1
** 04 = 4ft. (1200mm), 06 = 6ft. (1800mm); ^^ = B1 = Black, W1 = White.		
Integral Low Profile Ceiling Structure for Net-Access™ N-Type and S-Type Cabinets		
C2CAC06F**IR^^	(CAC) Integral Roof for 600mm width cabinet with 4 ft. or 6 ft. aisle width – Black or White available.	1
C2CAC07F**IR^^	(CAC) Integral Roof for 700mm width cabinet with 4 ft. or 6 ft. aisle width – Black or White available.	1
C2CAC08F**IR^^	(CAC) Integral Roof for 800mm width cabinet with 4 ft. or 6 ft. aisle width – Black or White available.	1
** 04 = 4ft. (1200mm), 06 = 6ft. (1800mm); ^^ = B1 = Black, W1 = White.		
Integral Roof Wall Panels		
C2CAC**F08WP^^	Integral Roof Wall Panel for 600, 700 or 800mm width cabinet – Black or White available.	1
** 06 = 7.97 ft. (600mm), 07 = 2.30 ft. (700mm), 08 = 2.62 ft. (800mm); ^^ = B1 = Black, W1 = White.		
Row Base Cooling Blanking Panels		
C2CAC**ABWPA^^	For cold aisle containment systems using row base cooling equipment.	1
** 03 = 0.98 ft. (300mm), 04 = 7.37 ft. (400mm), 06 = 7.97 ft. (600mm); ^^ = B1 = Black, W1 = White.		

Net-Contain™ Passive Hot Aisle Containment

C2CACT5F04SD^^

C2HACT8F04DFB1^^

C2HAC**I1626^^

C2HACERI1626^^

Part Number	Description	Std. Pkg. Qty.
Aisle Containment Sliding Doors		
C2CACT5F04SD^^	Sliding Door CAC for 4 ft. (1200mm) aisle – capable of 42 up to 45 RU – Black or White available.	1
^^ B1 = Black, W1 = White.		
Sliding Door Frame Adapter for 4' (1200mm) Aisle Containment Sliding Doors		
C2HACT8F04DFB1^^	Hot Aisle Containment Sliding Door Frame Adapter for 4 ft. (1200mm) aisle, capable of 42 RU up to 48 RU – Black or White available.	1
^^ B1 = Black, W1 = White.		
Adjustable Vertical Wall for Net-Access™ N-Type and S-Type Cabinets		
C2HAC**I1626^^	Hot Aisle Containment Adjustable Vertical Wall (16" – 26") for 300, 400 or 600mm width cabinets – Black or White available.	1
C2HAC**I2638^^	Hot Aisle Containment Adjustable Vertical Wall (26" – 38") for 300, 400 or 600mm width cabinets – Black or White available.	1
C2HAC**I3866^^	Hot Aisle Containment Adjustable Vertical Wall (38" – 66") for 300, 400 or 600mm width cabinets – Black or White available.	1
** 03 = 300mm, 04 = 400mm, 06 = 600mm; ^^ = B1 = Black, W1 = White.		
Adjustable EOR Vertical Wall		
C2HACERI1626^^	Adjustable End of Row Vertical Wall (16" – 26") for 900mm/1000mm/1200mm aisle widths – Black or White available.	1
C2HACERI2638^^	Adjustable End of Row Vertical Wall (26" – 38") for 900mm/1000mm/1200mm aisle widths – Black or White available.	1
C2HACERI3866^^	Adjustable End of Row Vertical Wall (38" – 66") for 900mm/1000mm/1200mm aisle widths – Black or White available.	1
^^ B1 = Black, W1 = White.		

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Net-Contain™ End of Row Cap - Cabinet Supported Containment (Compatible with CAC/HAC)

In a containment situation, when one door is needed on the end of the POD and the other end of the POD should be sealed with End of Row Cap.

Part Number	Part Description	Std. Pkg. Qty.
900mm Aisle Widths		
C2CEOR03CP2B1	900mm aisle width End of Row Cap is compatible with 42 RU Cabinets.	1
C2CEOR03CP5B1	900mm aisle width End of Row Cap is compatible with 45 RU Cabinets.	1
C2CEOR03CP8B1	900mm aisle width End of Row Cap is compatible with 48 RU Cabinets.	1
C2CEOR03CP1B1	900mm aisle width End of Row Cap is compatible with 51 RU Cabinets.	1
1200mm Aisle Widths		
C2CEOR04CP2B1	1200mm aisle width End of Row Cap is compatible with 42 RU Cabinets.	1
C2CEOR04CP5B1	1200mm aisle width End of Row Cap is compatible with 45 RU Cabinets.	1
C2CEOR04CP8B1	1200mm aisle width End of Row Cap is compatible with 48 RU Cabinets.	1
C2CEOR04CP1B1	1200mm aisle width End of Row Cap is compatible with 51 RU Cabinets.	1
1800mm Aisle Widths		
C2CEOR06CP2B1	1800mm aisle width End of Row Cap is compatible with 42 RU Cabinets.	1
C2CEOR06CP5B1	1800mm aisle width End of Row Cap is compatible with 45 RU Cabinets.	1
C2CEOR06CP8B1	1800mm aisle width End of Row Cap is compatible with 48 RU Cabinets.	1
C2CEOR06CP1B1	1800mm Aisle width End of Row Cap is compatible with 51 RU Cabinets	1

^^B1 = Black, W1 = White.
Single Row Containment is available along with a BOM Calculator.

Order number of pieces required, in multiples of Standard Package Quantity.

Direct Cold Air To Where It Is Needed

Net-Direct™ Inlet Ducts enable optimized containment by effectively directing airflow to improve network reliability

- Inlet duct solutions deliver cooling air directly from the cold aisle into the intake fans of switches
- Inlet ducts are completely passive, requiring no energy to operate and eliminating a point of failure
- Ensures front to back cooling airflow which enables an effective deployment of network switches with a Net-Contain™ Cold Aisle Containment deployment
- Inlet ducts enable reduced fan power energy consumption by allowing lower fan speeds, improving the reliability of the switch

Available for: Cisco^ Nexus, Catalyst and MDS Switches and Juniper EX Series Switches

Direct Hot Air To Where It Needs To Exhaust

Net-Direct™ Exhaust Ducts direct hot exhaust air out of a cabinet away from adjacent devices within non-contained environments

- Exhaust duct solutions channel hot exhaust air directly to the hot aisle, away from the cold air inlet of adjacent switches
- Exhaust ducts are completely passive, requiring no energy to operate and eliminating a point of failure
- Ensures switch exhaust airflow is directed to the hot aisle enabling effective deployment of network switches with a standard hot aisle/ cold aisle configuration
- Exhaust ducts enable reduced fan power energy consumption by allowing lower fan speeds, improving the reliability of the switch

Available for: Cisco^ Nexus and Catalyst Switches

Patented* In-Cabinet Ducting optimizes cooling system efficiency by establishing front-to-back airflow patterns through the cabinet.

^ Cisco and Cisco Nexus are registered trademarks Cisco Systems Technology, Inc. and/or its affiliates in the United States and certain other countries.
*Patents #8,035,965, #7,855,885 and #7,595,985 - Network Cabinet with Thermal Air Flow Management System

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In-Cabinet Ducting

Net-Direct™ In-Cabinet Ducting

- Net-Direct™ Passive Cabinet Inlet Ducting directs cooling air from the cold aisle into the intake fans of switches
- Net-Direct™ Passive Cabinet Exhaust Ducting directs exhaust air from the side exhaust of the switch into the hot aisle
- Net-Direct™ Passive Cabinet Inlet and Exhaust Ducting are compatible with associated Cisco^ products

CDE1

CDE2

CNLTD21B2

CNLTD52A2

CNLTD142A3

CNLTD72A3

DIBBC2314S21W

DIRLC2214M21W

DIRBB2007S21W

Exhaust Ducts

Part Number	Part Description	Std. Pkg. Qty.
Air Inlet Ducting		
CDE1	Air Inlet Duct, 1 RU that resides below the switch provides cold aisle airflow to Cisco^ Catalyst^ 4948, 4928, and 4924. Optimized for use in server cabinet applications.	1
CDE2	Air Inlet Duct, 1 RU that resides in-line and below switch provides cold aisle airflow to Cisco Nexus^ N2K-C2148T-1GE, N2K-C2248TP-1GE, and N2K-C2232PP-10GE fabric extenders and Cisco^ WS-C4948E-F, WS-C4948E-F-S, and WS-C4948E-F-E. Optimized for use in server cabinet applications.	1
CNLTD21B2	Air Inlet Duct designed for Cisco^ Catalyst^ 4900M switch. Consists of one 2 RU inlet duct and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CNLTD52A2	Air Inlet Duct designed for Cisco^ Catalyst^ 6504-E switch. Consists of 2 RU top and 2 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
DIRLC2214M21W	Air Inlet Duct designed for Cisco^ Catalyst^ 6509-E switch. Consists of 2 RU top and 2 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
DIRBB2007S21W	Air Inlet Duct designed for Cisco^ Nexus^ 7004 switch. Consists of one 2 RU inlet duct and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CNLTD142A3	Air Inlet Duct designed for Cisco^ Nexus^ 7009 switch. Consists of 3 RU top and 3 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CNLTD72A3	Air Inlet Duct designed for Cisco^ MDS 9506 switch. Consists of 3 RU top and 3 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
DIBBC2314S21W	Air Inlet Duct designed for Cisco^ MDS 9513 switch. Consists of 2 RU top and 3 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.	1
CID1RU22-23DB1	Air Inlet 1RU Duct for Cisco^ Nexus^ 9372 switch, compatible with 21.5" – 23.5" switch depth.	1
CID2RU16-20DB1	Air inlet duct for Cisco^ TOR switches, 2RU, depth compatible with 16" – 20" switch depth.	1
DIFBA2002S00S	Air Inlet Duct for Cisco^ Nexus^ 9396 switch.	1
DIFBA3003S00S	Air Inlet Duct for Cisco^ Nexus^ 93128 switch.	1
DIRLC3210S17W	Air Inlet Duct for Cisco^ Catalyst^ 6807XL switch.	1
DIRLC25S23W	Air Inlet Duct for Cisco^ Catalyst^ 6880X switch.	1
Exhaust Ducting		
DERLCC6509A	Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco^ Catalyst^ 6509 switch.	1
DERLCC9513A	Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco^ MDS 9513 switch.	1
DERLCC7009A	Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco^ Nexus^ 7009 switch.	1
DERLCC6513A	Air Exhaust Duct for Net-Access™ N-Type 1070mm Depth Cabinets. Designed for Cisco^ Catalyst^ 6513 switch.	1

^Cisco, Catalyst, and Cisco Nexus are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

Order number of pieces required, in multiples of Standard Package Quantity.

Thermal Sealing Accessories

FLBSIM-51

BFS100X2000

TLBP1R-V

TLBP1S-V

TLBP2R-V

RFG*X*Y

RFG*X*SMY

Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Blanking Shades				
FLBSIM-51	Full-length blanking shade blanks out 1-51 consecutive rack units on standard 19" (482.6mm) wide vertical mounting rails.	Black	1	–
Cabinet Blanking Foam Strip				
BFS100X2000	Adhesive-backed foam strips, 1/16" (1.6mm) closed-cell vinyl foam, perforated to create multiples of 1.00" x 20.00" strips.	Black	1	10
Tool-Less Blanking Panels				
TLBP1R-V	1 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	Black	5	–
TLBP1R-V10	1 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	White	5	–
TLBP1S-L	1 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed), 50 Pack.	Black	5	–
TLBP1S-V	1 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed).	Black	5	–
TLBP1S-V10	1 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed).	White	5	–
TLBP2R-V	2 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	Black	5	–
TLBP2S-V	2 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed).	Black	5	–
TLBP2S-V10	2 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed).	White	5	–
CoolBoot® Raised Floor Air Sealing Grommet - Integral Mount (Designed for New Installation) Integral gasket protects cables from abrasion against cut raised floor tile.				
RFG10X8Y	Overall size of 10" x 8" (254.0mm x 203.2mm) allows for 8.2" x 6.2" (208.3mm x 157.5mm) capacity.	Navy Blue	1	10
RFG12X4Y	Overall size of 12" x 4" (304.8mm x 101.6mm) allows for 10.2" x 2.2" (259.1mm x 55.9mm) capacity.	Navy Blue	1	10
RFG12X8Y	Overall size of 12" x 8" (304.8mm x 203.3mm) allows for 10.2" x 6.2" (259.1mm x 157.5mm) capacity.	Navy Blue	1	10
RFG3DY	Overall size of 4.8" (121.9mm) diameter allows for 2.7" (68.6mm) diameter capacity.	Navy Blue	1	10
RFG5DY	Overall size of 6.8" (172.7mm) diameter allows for 4.7" (119.4mm) diameter capacity.	Navy Blue	1	10
RFG6X8Y	Overall size of 6" x 8" (152.4mm x 203.2mm) allows for 4.2" x 6.2" (106.7mm x 157.5mm) capacity.	Navy Blue	1	10
RFG8X8Y	Overall size of 8" x 8" (203.2mm x 203.2mm) allows for 6.2" x 6.2" (157.5mm x 157.5mm) capacity.	Navy Blue	1	10
CoolBoot® Raised Floor Air Sealing Grommet - Surface Mount (Designed for Retrofit Application) Secured to top of raised floor tile.				
RFG10X8SMY	Overall size of 10" x 8" (254.0mm x 203.2mm) allows for 8.2" x 6.2" (208.3mm x 157.5mm) capacity.	Navy Blue	1	10
RFG12X4SMY	Overall size of 12" x 4" (304.8mm x 101.6mm) allows for 10.2" x 2.2" (259.1mm x 55.9mm) capacity.	Navy Blue	1	10
RFG12X8SMY	Overall size of 12" x 8" (304.8mm x 203.2mm) allows for 10.2" x 6.2" (259.1mm x 157.5mm) capacity.	Navy Blue	1	10
RFG3DSMY	Overall size of 4.8" (121.9mm) diameter allows for 2.7" (68.6mm) diameter capacity.	Navy Blue	1	10
RFG5DSMY	Overall size of 6.8" (172.7mm) diameter allows for 4.7" (119.4mm) diameter capacity.	Navy Blue	1	10
RFG6X8SMY	Overall size of 6" x 8" (152.4mm x 203.2mm) allows for 4.2" x 6.2" (106.7mm x 157.5mm) capacity.	Navy Blue	1	10
RFG8X8SMY	Overall size of 8" x 8" (203.2mm x 203.2mm) allows for 6.2" x 6.2" (157.5mm x 157.5mm) capacity.	Navy Blue	1	10

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Thermal Sealing Accessories (continued)

CTGN1X5

CTGN3X5

CTGN6X6

CTCN1X5

CTCN3X5

CTNBZL6X6

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CoolBoot® Cabinet Top Air Sealing Fitting			
CTGN1X5	Used to seal off 1" x 5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm wide Net-Access™ Cabinets.	1	10
CTGN3X5	Used to seal off 3" x 5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 700mm, 800mm, and 1000mm wide Net-Access™ Cabinets.	1	10
CTGN6X6	Used to seal off 6.5" x 6.5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm, 700mm, 800mm, and 1000mm wide Net-Access™ Cabinets.	1	10
Cabinet Top Cover and Cable Protection Bezel			
CTCN1X5	Used to seal off 1.5" x 5" cabinet top openings. Can also be used to add the CTGN1X5 to openings where the snap-on cover has been removed. For use with Net-Access™ Cabinets.	1	10
CTCN3X5	Used to seal off 3.5" x 5" cabinet top openings. Can also be used to add the CTGN3X5 to openings where the snap-on cover has been removed. For use with Net-Access™ Cabinets.	1	10
CTNBZL6X6	Used to provide a protective edge for cables routed through the 6.5" x 6.5" cabinet top openings after knock-outs are removed. Can also be used to add the CTGN6X6 to openings where knock-out has been removed. For use with Net-Access™ Cabinets.	1	10

Order number of pieces required, in multiples of Standard Package Quantity.

4 Post Cable Management Rack System and Accessories

- Independent adjustable front and rear mounting rails can be adjusted while the rack is secured to the floor
- Printed rack space identification on all equipment rails allows for quick location of rack spaces (shipped numbers up per TIA606 specifications; can be set to number down by flipping the rails)
- Rack is UL listed for 2500 lbs. load rating
- Multiple mounting holes in top flanges for securing ladder rack
- Weld nut construction eliminates the need for a second wrench increasing speed and ease of assembly
- PatchRunner™ and NetRunner™ Vertical Cable Managers mount directly to the 4 post rack at any of the four corners
- Paint piercing washers included to electrically bond rack for simplified grounding

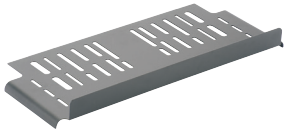
R4P

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
7' 4 Post Rack Threaded Rail			
R4P23*	4 post EIA rack with #12-24 threaded rails. Dimensions: 84.0"H x 23.25"W x 23.0"D (2134mm x 591mm x 584mm).	45	1
R4P*‡	4 post EIA rack with #12-24 threaded rails. Dimensions: 84.0"H x 23.25"W x 30.0"D (2134mm x 591mm x 762mm).	45	1
R4P36*	4 post EIA rack with #12-24 threaded rails. Dimensions: 84.0"H x 23.25"W x 36.0"D (2134mm x 591mm x 914mm).	45	1
R4P42*	4 post EIA rack with #12-24 threaded rails. Dimensions: 84.0"H x 23.25"W x 41.5"D (2134mm x 591mm x 1054mm).	45	1
7' 4 Post Rack Cage Nut Rail			
R4P23CN*	4 post EIA rack with cage nut rails. Dimensions: 84.0"H x 23.25"W x 23.0"D (2134mm x 591mm x 584mm).	45	1
R4PCN*‡	4 post EIA rack with cage nut rails. Dimensions: 84.0"H x 23.25"W x 30.0"D (2134mm x 591mm x 762mm).	45	1
R4P36CN*	4 post EIA rack with cage nut rails. Dimensions: 84.0"H x 23.25"W x 36.0"D (2134mm x 591mm x 914mm).	45	1
R4P42CN*	4 post EIA rack with cage nut rails. Dimensions: 84.0"H x 23.25"W x 41.5"D (2134mm x 591mm x 1054mm).	45	1

^One rack space = 1.75" (44.45mm).
All product color is black.
‡For 42 RU add suffix 79 to the end of part number and for 42 RU cage nut version add suffix CN79 to the end of the part number.
* For 52 RU racks, add suffix 96 to end of part number.

Continues on next page

4 Post Cable Management Rack System and Accessories (continued)



R4PWF

RSHLF

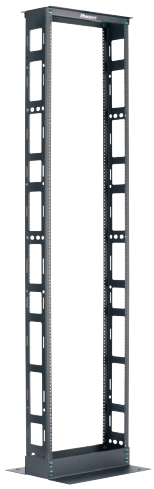
Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
4 Post Rack Accessories			
R4PWF	Top trough with waterfall creates pathway above rack. Dimensions: 1.9"H x 26.1"W x 8.5"D (50mm x 662mm x 216mm).	—	1
RSHLF23	4 post rack mount shelf. Load rating 275 lbs.(124.7 kg). Dimensions: 1.7"H x 19.0"W x 23.0"D (44mm x 483mm x 584mm).	1	1
RSHLF	4 post rack mount shelf. Load rating 275 lbs. (124.7 kg). Dimensions: 1.7"H x 19.0"W x 30.0"D (44mm x 483mm x 762mm).	1	1
RSHLF36	4 post rack mount shelf. Load rating 275 lbs. (124.7 kg). Dimensions: 1.7"H x 19.0"W x 36.0"D (44mm x 483mm x 914mm).	1	1
S1224-C	#12-24 x .5" mounting screws.	—	100
CNWS1224-C	#12-24 cage nut and screws.	—	100
CNWSM6-C	M6 cage nut and screws	—	100

^One rack space = 1.75" (44.45mm).
All product color is black.
Additional accessories available. Refer to www.panduit.com for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

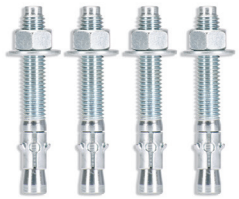
2 Post Cable Management Rack System and Accessories

- Printed rack space identification on all equipment rails allows or quick location of rack spaces; numbers up per TIA606 specifications
- 3" Rack is UL listed for 1,000 lbs. load rating
- 6" Rack is UL listed for 1,500 lbs. load rating
- Double-sided #12-24 EIA universal mounting hole spacing
- 24 #12-24 mounting screws included
- Can be used with all Panduit cable management and patch panel products in addition to any industry standard 19" components
- Paint piercing washers included to electrically bond rack for simplified grounding; for the complete grounding solution, StructuredGround™ Kits for Racks see Section L1-L.28 For Grounding and Bonding
- 6" rack, R2P6S is compatible with Patchrunner™ but when mounting NetRunner™ utilize side mount kit WMPVSMK



R2P6S

R2P



RFAKIT

R2PPRVWF

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
6" Channel Racks – Numbered Up				
R2P6S	19" EIA rack, 6" channel, steel. Dimensions: 84.0"H x 20.3"W x 6"D (2134mm x 514mm x 152mm). Note: When mounting NetRunner™ utilize side mount kit WMPVSMK.	45	1	—
R2P6S96	19" EIA rack, 6" channel, steel. Dimensions: 96.0"H x 20.3"W x 6"D (2438mm x 514mm x 152mm). Note: When mounting NetRunner™ utilize side mount kit WMPVSMK.	52	1	—
3" Channel Racks – Numbered Up				
R2P48	19" EIA rack, aluminum. Dimensions: 48.0"H x 20.3"W x 3.0"D (1219mm x 514mm x 76mm).	24	1	—
R2P79	19" EIA rack, aluminum. Dimensions: 79.0"H x 20.3"W x 3.0"D (2007mm x 514mm x 76mm).	42	1	—
R2P‡	19" EIA rack, aluminum. Dimensions: 84.0"H x 20.3"W x 3.0"D (2134mm x 514mm x 76mm).	45	1	—
R2PW	23" EIA rack, aluminum. Dimensions: 84.0"H x 24.3"W x 3.0"D (2134mm x 616mm x 76mm).	45	1	—
R2P96	19" EIA rack, aluminum. Dimensions: 96.0"H x 20.3"W x 3.0"D (2134mm x 514mm x 76mm).	52	1	—
2 Post Rack Accessories				
RFAKIT	Rack anchor kit for concrete floor (set of four).	—	1	10
S1224-C	#12-24 x .5" mounting screws	—	100	1000
R2PPRVWF	Waterfall Trough for 2 Post Rack and PatchRunner™ Vertical Cable Managers.	—	1	—

^One rack space = 1.75" (44.45mm).
All product color is black.
Additional accessories available. Refer to www.panduit.com for additional information.

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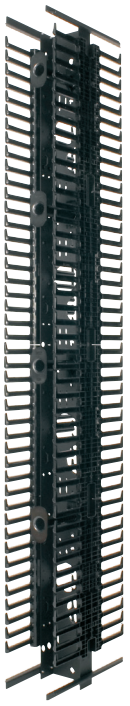
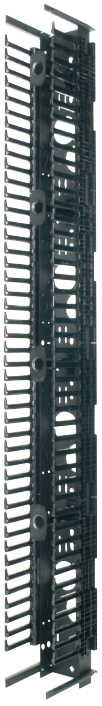
PatchRunner™ Vertical Cable Management System

- High density minimizes area required for network layout, freeing up valuable floor space
- Curved cable management fingers support cables as they transition to the vertical pathway eliminating the need for horizontal managers
- Individual fingers can be removed without the use of a tool for routing of large cable bundles
- Fingers align with rack spaces simplifying cable routing
- Slack management spools organize and manage patch cord slack allowing standardization of patch cords
- Optional hinged doors provide easy access to vertical pathway; purchased separately from manager
- Available in 7 foot and 8 foot versions



PRV8



PRVF8

PRD

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Vertical Manager – Manage Cable on Front and Rear of Rack*				
PRV6*‡	Vertical cable manager. Dimensions: 84"H x 6"W x 16.4"D (2133.6mm x 152.4mm x 417mm).	45	1	—
PRV8*	Vertical cable manager. Dimensions: 83.9"H x 8.0"W x 16.4"D (2131mm x 203mm x 417mm).	45	1	—
PRV10*	Vertical cable manager. Dimensions: 83.9"H x 10.0"W x 16.4"D (2131mm x 254mm x 417mm).	45	1	—
PRV12*‡	Vertical cable manager. Dimensions: 83.9"H x 12.0"W x 16.4"D (2131mm x 305mm x 417mm).	45	1	—
Vertical Manager – Manage Cable on Front of Rack Only*				
PRVF6*‡	Vertical cable manager. Dimensions: 83.9"H x 6.0"W x 9.7"D (2131mm x 152mm x 246mm).	45	1	—
PRVF8*	Vertical cable manager. Dimensions: 83.9"H x 8.0"W x 9.7"D (2131mm x 203mm x 246mm).	45	1	—
PRVF10*	Vertical cable manager. Dimensions: 83.9"H x 10.0"W x 9.7"D (2131mm x 254mm x 246mm).	45	1	—
PRVF12*‡	Vertical cable manager. Dimensions: 83.9"H x 12.0"W x 9.7"D (2131mm x 305mm x 246mm).	45	1	—
PatchRunner™ Doors				
PRD6*‡	Dual hinged metal door. Dimensions: 82.8"H x 6.1"W x 1.6"D (2104mm x 206mm x 40mm).	45	1	—
PRD8*	Dual hinged metal door. Dimensions: 82.8"H x 8.1"W x 1.6"D (2104mm x 206mm x 40mm).	45	1	—
PRD10*	Dual hinged metal door. Dimensions: 82.8"H x 10.1"W x 1.6"D (2104mm x 257mm x 40mm).	45	1	—
PRD12*‡	Dual hinged metal door. Dimensions: 82.8"H x 12.1"W x 1.6"D (2104mm x 308mm x 40mm).	45	1	—

^One rack space = 1.75" (44.45mm).
All product color is black.
*For part numbers that fit 8' rack, add "96" to end of part number.
Overall height for managers is 95.5" (2426mm). Overall door height is 94.4" (2399mm).
‡For 42 RU add suffix 79 to the end of part number.

Order number of pieces required, in multiples of Standard Package Quantity.

PRSP7

PREPB1

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Accessories				
PRSP7	Molded plastic slack spool, front only. Dimensions: 7.0"D x 1.3" diameter (178mm x 32mm).	—	1	10
PRSP5	Molded plastic slack spool, front or rear. Dimensions: 5.25"D x 1.3" diameter (133mm x 32mm).	—	1	10
PREPB1*	End panel Dimensions: 82.5"H x 14.5"W x .7"D (2095mm x 367mm x 18mm).	45	1	—
WR5E-X	Snap-on finger cable retainers.	—	10	100

^One rack space = 1.75" (44.45mm).
All product color is black.
*For 52 RU end panel, use part number PREP96B1.

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NetRunner™ Vertical Cable Management

- Integral cable retainers on the end of each finger provides easy access to route cables between fingers
- Bend radius fingers align with rack spaces to support cables as they transition to the vertical pathway
- Dual hinged covers can be opened 110° to the left or right to provide complete access to the cables inside the vertical pathway
- Vertical managers include hinged covers, mounting brackets and #12-24 screws

WMPV22E

WMPVF22E

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
Vertical Cable Managers – Front and Rear				
WMPV22E	Front and rear vertical manager. Dimensions: 41.5"H x 4.9"W x 12.0"D (1054mm x 125mm x 306mm).	22	1	—
WMPVHC45E	Front and rear vertical manager. Dimensions: 83.0"H x 6.7"W x 14.1"D (2108mm x 170mm x 357mm).	45	1	—
WMPV45E	Front and rear vertical manager. Dimensions: 83.0"H x 4.9"W x 12.0"D (2108mm x 125mm x 306mm).	45	1	—
Vertical Cable Managers – Front Only				
WMPVF22E	Front only vertical manager. Dimensions: 41.5"H x 4.9"W x 6.5"D (1054mm x 125mm x 165mm).	22	1	—
WMPVHCF45E	Front only vertical manager. Dimensions: 83.0"H x 6.7"W x 7.6"D (2108mm x 170mm x 192mm).	45	1	—
WMPVF45E	Front only vertical manager. Dimensions: 83.0"H x 4.9"W x 6.5"D (2108mm x 125mm x 165mm).	45	1	—
Accessories				
WMPVCBE	NetRunner™ Center Mount Bracket Kit allows mounting to adjacent racks. Four brackets per kit.	—	1	10
WMPVCMB	NetRunner™ mounting brackets for racks with a wider mounting face dimensions up to 1 5/8" (4.1mm) wide from the edge of the rack to the center of the mounting holes. Kit includes 4 brackets and mounting screws for side mounting.	—	1	10
NREPB1	End panel for use with WMPVHCF45E/WMPVHC45E. Includes two panel sections to cover 45 RU on one side.	45	1	—
WMPV45EPB1	End panel for use with WMPVF45E/WMPV45E. Includes two panel sections to cover 45 RU on one side.	45	1	—
WMPV45ERTW	Rack top trough with waterfall creates pathway above rack, for use with R2P found on page J.35 and WMPV45E/WMPVHC45E.	—	1	—
WR5E-X	Snap-on finger cable retainers.	—	10	100

^One rack space = 1.75" (44.45mm).
All product color is black.

Order number of pieces required, in multiples of Standard Package Quantity.

PatchLink™ Horizontal Cable Managers

- Lightweight plastic construction provides durability and easy installation
- Patented dual hinged cover allows cable access without removing cover
- Rounded edges on fingers protect cables from snags and damage to cable
- Flexible fingers allows easy installation and removal of cables
- Pass-through holes allow front to rear cabling
- Covers and #12-24 mounting screws included
- Recommended for use with NetRunner™ WMPVF45E and WMPV45E Vertical Managers found on page J.38

WMPSE

WMP1E

WMPH2E

WMPFSE

WMPF1E

WMPHF2E

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
19" Manager, Front and Rear, 1 RU			
WMPSE	Dimensions: 1.7"H x 19.0"W x 8.9"D (44mm x 483mm x 226mm).	1	1
19" Manager, Front and Rear, 2 RU			
WMP1E	Dimensions: 3.5"H x 19.0"W x 8.9"D (89mm x 483mm x 226mm).	2	1
WMPH2E	Dimensions: 3.5"H x 20.2"W x 8.9"D (89mm x 513mm x 226mm). Includes extended front covers and two bend radius clips.	2	1
19" Manager, Front Only, 1 RU			
WMPFSE	Dimensions: 1.7"H x 19.0"W x 3.7"D (44mm x 483mm x 94mm).	1	1
19" Manager, Front Only, 2 RU			
WMPF1E	Dimensions: 3.5"H x 19.0"W x 3.7"D (89mm x 483mm x 94mm).	2	1
WMPHF2E	Dimensions: 3.5"H x 20.2"W x 3.7"D (89mm x 573mm x 94mm). Includes extended front covers and two bend radius clips.	2	1

^One rack space = 1.75" (44.45mm).
All product color is black.
Refer to www.panduit.com for additional information.

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NetManager™ High Capacity Horizontal Cable Managers

- Innovative inset fingers slope inward toward back of managers offering unobstructed access to network cabling for easier moves, adds, and changes
- Rear cable management finger spacing utilizes open D-rings for greater accessibility
- Can be used to create large capacity horizontal pathways for routing cable
- Patented front and rear dual hinged cover allows cable access without removing cover
- Pass-through holes allow for front to rear cabling
- Built in cable retainers hold cable in place for easy moves, adds, and changes
- Covers and #12-24 mounting screws included
- Recommended for use with NetRunner™ WMPVHC45E and WMPVHCF45E Vertical Managers or PatchRunner™ Vertical Managers found on page J.38

NM2

NMF2

NMF3

NMF4

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
19" High Capacity Manager, Front and Rear			
NM1	Dimensions: 1.7"H x 19.0"W x 13.1"D (44mm x 482mm x 332mm).	1	1
NM2	Dimensions: 3.5"H x 19.0"W x 13.1"D (88mm x 482mm x 332mm).	2	1
NM3	Dimensions: 5.2"H x 19.0"W x 13.1"D (133mm x 482mm x 332mm).	3	1
NM4	Dimensions: 7.0"H x 19.0"W x 13.1"D (177mm x 482mm x 332mm).	4	1
19" High Capacity Manager, Front Only			
NMF1	Dimensions: 1.7"H x 19.0"W x 6.2"D (44mm x 482mm x 157mm).	1	1
NMF2	Dimensions: 3.5"H x 19.0"W x 6.2"D (88mm x 482mm x 157mm).	2	1
NMF3	Dimensions: 5.2"H x 19.0"W x 6.2"D (133mm x 482mm x 157mm).	3	1
NMF4	Dimensions: 7.0"H x 19.0"W x 6.2"D (177mm x 482mm x 157mm).	4	1

^One rack space = 1.75" (44.45mm).
All product color is black.
Front to rear pass through blanking panels are available. Refer to www.panduit.com for additional information.

Order number of pieces required, in multiples of Standard Package Quantity.

Open-Access™ Horizontal Cable Managers

- D-ring managers provide an open and efficient way to manage cable
- Patented D-ring design provides flexibility for easy moves, adds, and changes
- Pass-through holes allow front to rear cabling
- Mount to 19" EIA racks and cabinets
- Hardware included
- Ideal when positioning managers above and below a 1RU patch panel or switch for better port access

CMPH1

CMPH2

CMPHF1

CMPHHF1

CMPHF2

CMPHH2

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
19" Manager, Front and Rear, 1 RU			
CMPH1	D-rings installed on panel. Dimensions: 1.7"H x 19.0"W x 8.6"D (44mm x 483mm x 218mm).	1	1
19" Manager, Front and Rear, 2 RU			
CMPH2	D-rings installed on panel. Dimensions: 3.5"H x 19.0"W x 8.6"D (88mm x 483mm x 218mm).	2	1
19" Manager, Front Only, 1 RU			
CMPHF1	D-rings installed on panel. Dimensions: 1.7"H x 19.0"W x 3.4"D (44mm x 483mm x 87mm).	1	1
CMPHHF1	D-rings installed on panel. Dimensions: 1.7"H x 19.0"W x 5.7"D (44mm x 483mm x 144mm).	1	1
19" Manager, Front Only, 2 RU			
CMPHF2	D-rings installed on panel. Dimensions: 3.5"H x 19.0"W x 3.4"D (88mm x 483mm x 87mm).	2	1
CMPHH2	D-rings installed on panel. Dimensions: 3.5"H x 19.0"W x 5.7"D (88mm x 483mm x 144mm).	2	1

^One rack space = 1.75" (44.45mm).
All product color is black.
Optional covers are available. Refer to www.panduit.com for additional information.

Cable Routing Troughs

- Provide pathways to route cables in a rack line-up
- Provides a gradual, controlled bend radius or both copper and fiber cable. Strong lightweight aluminum construction Mounts on 19" rack; may also be wall-mounted

CMLT19

CMUT19

CMT4

Part Number	Part Description	Std. Pkg. Qty.
CMLT19	4 RU lower trough with 1.3" bend radius mounts to the bottom of a standard 19" EIA rack. Dimensions: 8.0"H x 19.0"W x 4.5"D (203mm x 483mm x 114mm).	1
CMUT19	2 RU upper trough with 1.3" bend radius mounts to the top of a standard 19" EIA rack. Dimensions: 3.5."H x 19.0"W x 4.5"D (89mm x 483mm x 114mm).	1
CMT4	4 RU cable routing trough. Dimensions: 6.9"H x 19.0"W x 4.5"D (176mm x 483mm x 114mm).	1

One rack space = 1.75" (44.45mm).
All product color is black.

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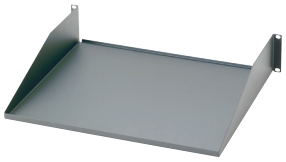
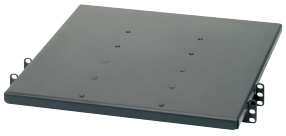
Rack Mount Shelves

- Load ratings up to 250 lbs. refer to part descriptions for specific load ratings
- Mounting hardware included. Vented for active equipment for better heat distribution



SRM19FM2

SRM19CMV3



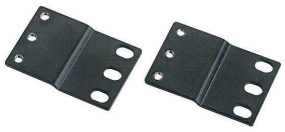
SRM19X18A1

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
SRM19FM1	19" front mount shelf, steel. Dimensions: 1.7"H x 19.0"W x 15.2"D (44mm x 483mm x 385mm). Load rating 30 lbs.	1	1
SRM19FM2	19" front mount shelf, steel. Dimensions: 3.5"H x 19.0"W x 15.2"D (88mm x 483mm x 385mm). Load rating 50 lbs.	2	1
SRM19CMV3	19" cantilevered shelf, vented aluminum. Includes two-piece shelf that mounts to front and back of EIA racks. Dimensions: 5.2"H x 19.2"W x 12.5"D (133mm x 489mm x 316mm). Load rating 200 lbs.	3	1
SRM19CM3	19" cantilevered shelf, aluminum. Includes two-piece shelf that mounts to front and back of EIA racks. Dimensions: 5.2"H x 19.2"W x 12.5"D (133mm x 489mm x 316mm). Load rating 200 lbs.	3	1
SRM19X18A1	19" adjustable mount shelf, steel, mounts to front and back of EIA racks. Dimensions: 1.8"H x 19.0"W x 18.0"D (44mm x 483mm x 457mm). Load rating 250 lbs.	1	1
SRM19X25A1	19" adjustable mount shelf, steel, mounts to front and back of EIA racks. Dimensions: 1.8"H x 19.0"W x 25.0"D (44mm x 483mm x 635mm). Load rating 250 lbs.	1	1

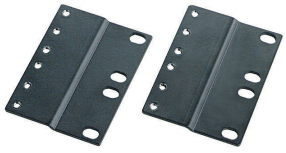
^One rack space = 1.75" (44.45mm).
All product color is black.
Additional shelves available. Refer to www.panduit.com for additional information.

Panel Extender Brackets

- Allow for mounting 19" product on 23" standard EIA racks or cabinets
- Offset bracket design maintains flush mounting of panels
- Mounting hardware included



PEB1



PEB2

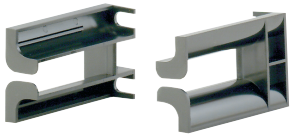
Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
PEB1	Converts 19" horizontal panels to 23" panels.	1	1	10
PEB2	Converts 19" horizontal panels to 23" panels.	2	1	10

^One rack space = 1.75". (44.45mm).
All product color is black.

Order number of pieces required, in multiples of Standard Package Quantity.

Rack Mount Cable Management Accessories

- Bend radius control fingers support cables as they transition to the vertical pathway
- Finger spacing aligns with rack units
- Attach to patch panels or equipment mounting screws
- Lightweight plastic construction provides durability and easy installation



CMBRC1

CMBRC5E

Part Number	Part Description	No. of Rack Spaces^	Std. Ctn. Qty.
CMBRC1	Kit of two bend radius control fingers; for use with patch panels. Maintains 1/2" bend radius control. Dimensions: 1.7"H x .8"W x 3.0"D (44mm x 19mm x 77mm).	1	10
CMBRC1E	Kit of two bend radius control fingers, for use with patch panels. Maintains 1/2" bend radius control. Dimensions: 1.7"H x 1.0"W x 5.1"D (44mm x 25mm x 129mm).	1	10
CMBRC5	One-piece unit with five bend radius control fingers; for use with active equipment. Maintains 1/4" bend radius control. Dimensions: 8.7"H x 1.0"W x 3.3"D (222mm x 26mm x 84mm).	5	10
CMBRC5E	One-piece unit with five bend radius control fingers; for use with active equipment. Maintains 1/4" bend radius control. Dimensions: 8.7"H x 1.0"W x 5.1"D (222mm x 26mm x 129mm).	5	10

^One rack space = 1.75" (44.45mm).
All product color is black.

Hinged Wall Brackets

- Mount to wall or standard EIA 19" rack
- Cable tie slots for securing cables
- Standard 19" EIA hole spacing
- L-Bracket can be removed from the main bracket to access the backside of the equipment for MAC's
- Panel rotates from one side for easy access to cabling; hinged bracket can be mounted on left or right side
- Include write-on labeling area
- Accept 19" patch panels, horizontal managers, and equipment

WBH1

WBH2

WBH3

WBH4

WBH4E

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
6" Deep Wall Brackets			
WBH1	Dimensions: 1.8"H x 20.2"W x 6.3"D (44mm x 513mm x 159mm). Load rating 10 lbs.	1	1
WBH2	Dimensions: 3.5"H x 20.2"W x 6.3"D (89mm x 513mm x 159mm). Load rating 20 lbs.	2	1
WBH3	Dimensions: 5.3"H x 20.2"W x 6.3"D (133mm x 513mm x 159mm). Load rating 30 lbs.	3	1
WBH4	Dimensions: 7.0"H x 20.2"W x 6.3"D (178mm x 513mm x 159mm). Load rating 40 lbs.	4	1
15" Deep Wall Brackets			
WBH2E	Dimensions: 3.5"H x 20.4"W x 15.8"D (89mm x 519mm x 402mm). Load rating 20 lbs.	2	1
WBH4E	Dimensions: 7.0"H x 20.4"W x 15.8"D (177mm x 519mm x 402mm). Load rating 40 lbs.	4	1
WBH6E	Dimensions: 10.5"H x 20.4"W x 15.8"D (267mm x 519mm x 402mm). Load rating 60 lbs.	6	1

^One rack space = 1.75" (44.45mm).
All product color is black.

Full-Length Blanking Shade

- Adjustable blanking solution that can blank out as few as 1 or as many as 51 rack units
- Requires no tools or hardware to install
- Easy and efficient installation and deployment
- Can easily be raised or lowered to allow service to components within the cabinet

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
FLBSIM-51	Full-length blanking shade blanks out 1-51 consecutive rack units on standard 19" (482.6mm) wide vertical mounting rails; black.	4-45	1

^One rack space = 1.75" (44.45mm).

Tool-Less Blanking Panels

- Minimize bypass airflow in standard EIA 19" racks and cabinets while providing an aesthetic appearance
- Require no tools or hardware to install

TLBP1

TLBP2

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
TLBP1S-V	1 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed).	1	5
TLBP2S-V	2 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed).	2	5
TLBP1R-V	1 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	1	5
TLBP2R-V	2 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	2	5

^One rack space = 1.75" (44.45mm).
White also available.

Rack Filler Panels

- Reserve rack space for future use
- Direct airflow in cabinet applications
- Mount to standard EIA 19" racks or cabinets
- #12-24 and M6 mounting screws included

DPFP1

DPFP2

DPFP4

DPFP8

DPFPA1

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
DPFP1	Dimensions: 1.8"H x 19.0"W (44mm x 483mm).	1	1	10
DPFP2	Dimensions: 3.5"H x 19.0"W (89mm x 483mm).	2	1	10
DPFP4	Dimensions: 7.0"H x 19.0"W (178mm x 483mm).	4	1	10
DPFP8	Dimensions: 14.0"H x 19.0"W (355mm x 483mm).	8	1	10
DPFPA1	1RU adjustable blanking panel.	—	1	10

^One rack space = 1.75" (44.45mm).
All product color is black.

Order number of pieces required, in multiples of Standard Package Quantity.

Angled Panel Accessories

- Aesthetic design provides a clean and consistent look when used with Panduit angled patch panels
- Support warm aisle/cold aisle methodology by sealing in cool air and not allowing it to escape, promoting proper airflow and cooling
- Protect exposed connectors from intrusion of debris or accidental disconnection

CPAF1BLY

CPATCBL

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.	Std. Ctn. Qty.
CPAF1BLY	Covers one open rack space in standard EIA 19" rack.	1	1	10
CPATCBL	Transitional cover for angled patch panels that occupies zero rack space.	–	1	10

^One rack space = 1.75" (44.45mm).
All product color is black.

IN-Cabinet Vertical Cable Managers

- For managing cable within cabinets 27" or wider
- Attach to equipment mounting rails
- Two mounting bracket options to facilitate mounting to various cabinet configurations
- Snap-on covers included

Side Mount Bracket

Front Mount Bracket

CWMPV3340

Part Number	Part Description	No. of Rack Spaces^	Std. Pkg. Qty.
Side Mount – Front Only			
CWMPV3440	Duct with side mount bracket, cage nut, and screws. Dimensions: 71.9"H x 3.5"W x 4.3"D (1825mm x 88mm x 109mm).	40	1
CWMPV2440	Duct with side mount bracket, cage nut, and screws. Dimensions: 71.9"H x 2.5"W x 4.3"D (1825mm x 63mm x 109mm).	40	1
Front Mount – Front Only			
CWMPV2340	Duct with front mount bracket, cage nut, and screws. Dimensions: 70.0"H x 3.7"W x 3.3"D (1778mm x 94mm x 83mm).	40	1
CWMPV3340	Duct with front mount bracket, cage nut, and screws. Dimensions: 70.0"H x 4.7"W x 3.3"D (1778mm x 119mm x 83mm).	40	1

^One rack space = 1.75" (44.45mm).
All product color is black.
Additional sizes available. Refer to www.panduit.com for additional information.

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Notes

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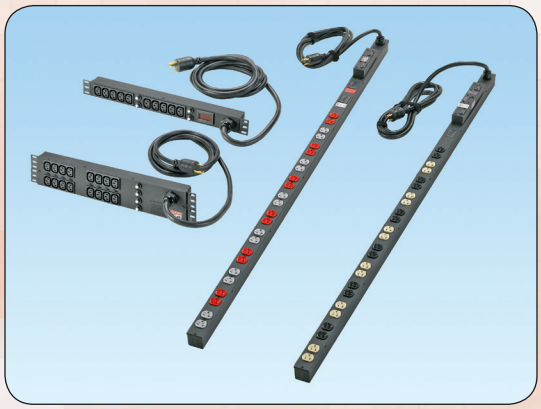
Power Management

Panduit's SmartZone™ Rack PDUs help Data Centers enhance power capacity utilization, increase energy and operational efficiency and reduce costly downtimes. SmartZone™ Rack PDUs provide the capability to monitor aggregate strip power or individual outlet power, with or without switching controls thru traditional Network-Enabled Rack PDUs or through unique Gateway-Enabled Rack PDUs. They have the ability to monitor Rack equipment such as application servers, routers, switches and storage devices. Panduit's SmartZone™ Gateway-Enabled Rack PDUs and Network-Enabled Rack PDUs safely and efficiently manage and distribute power to multiple devices through a single power connector enhancing scalability of network build outs. Through integration with the Panduit® SmartZone™ Software Suite, these PDUs transmit power and temperature readings in racks and cabinets to allow:



- **Automated documentation and visualization of power utilization**
- **Recognition and notification of faults or power disruptions**
- **Environmental monitoring measures in-cabinet temperature**

Gateway-Enabled Rack PDUs

- **Allow multiple PDUs to be monitored thru one single IP address (switch port)**
- **Support physical access security control of cabinet doors by utilizing the SmartZone™ Serial Keypads or Card Readers**
- **Consolidate monitoring and management thru one gateway per rack/cabinet**
- **Provide up to 12 environmental sensor ports in gateway to support extensive environmental monitoring**

Network-Enabled Rack PDUs

- **Each rack PDU connects directly to the network to meet typical power deployment needs, each PDU requires an IP address and direct connection to network**
- **Addresses standard requirements of power and environmental monitoring, up to two environmental sensor ports per PDU**
- **Does not connect to a gateway**

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SmartZone™ Gateway-Enabled M (Monitored) Series Rack PDUs (for Aggregate Power Monitoring)

- Aggregate Power Monitoring performs real-time monitoring and management of aggregate rack PDU current, voltage, kVA, kWhr, kW, Frequency and Power Factor loads to monitor, document, and manage operational power utilization
- LCD digital display provides real-time rack PDU power consumption and early notification of exceeded thresholds, reducing the risk of circuit overload

Part Number	Part Description	Std. Pkg. Qty.
GM-A0268BL	Horizontal power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, NEMA 5-20R Inline, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0269BL	Vertical power strip, 20A, single phase, 120V, (24) NEMA 5-20 Inline receptacles, NEMA 5-20R Inline, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0270BL	Vertical power strip, 20A, single phase, 120V, (24) NEMA 5-20 Inline receptacles, NEMA 5-20R Inline, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0271BL	Vertical power strip, 20A, single phase, 208V, (24) IEC C-13 and (6) IEC C-19 receptacles, NEMA 6-20P twist lock plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0272BL	Vertical power strip, 20A, single phase, 208V, (24) IEC C-13 and (6) IEC C-19 receptacles, NEMA L6-20P twist lock plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0251BL	Vertical power strip, 20A, three phase WYE, 208V, (24) IEC C-13 and (6) IEC C-19 receptacles, NEMA L21-20P twist lock plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0252BL	Horizontal power strip, 30A, single phase, 208V, (24) IEC C-13 and (6) IEC C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0253BL	Horizontal power strip, 30A, single phase, 120V, (10) NEMA 5-20R receptacles, NEMA 5-20R Inline, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 1.73"H x 17.0"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1
GM-A0254BL	Vertical power strip, 30A, single phase, 120V, (24) NEMA 5-20 receptacles, NEMA 5-20R Inline, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0255BL	Vertical power strip, 30A, three phase delta, 208V, (24) IEC C-13 and (6) IEC C-19 receptacles, NEMA L15-30P twist lock plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

SmartZone™ Gateway-Enabled M (Monitored) Series Rack PDUs (for Aggregate Power Monitoring) (continued)

Part Number	Part Description	Std. Pkg. Qty.
GM-A0256BL	Vertical power strip, 30A, three phase WYE, 230/400V, WYE, (24) IEC C-13 and (6) IEC C-19, NEMA L22-30P twist lock plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0267BL	Vertical power strip, 30A, three phase WYE, 120/208V, WYE, (18) IEC C-13, (6) IEC C-19 receptacles and 6 NEMA 5-20R, NEMA L21-30P twist lock plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 1.73"H x 17.0"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1
GM-A0301BL	Vertical power strip, 30A, three phase delta, 208V, (18) C13 locking and (6) C19 locking receptacles, NEMA L15-30P plug, 10' (3M) input cord, 3 magnetic double pole 20A breakers. LCD display with serial port for connection to gateway. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0274BL	Vertical power strip, 30A, single phase, 208V, (6) IEC C-13 and (2) IEC C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 1.73"H x 17.0"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1
GM-A0303BL	Vertical power strip, 50A, three phase delta, 208V, (18) C-13 locking and (6) C-19 locking receptacles, NEMA California Style (CS-8365C) plug, 10' (3M) input cord, (6) magnetic double pole 20A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0273BL	Vertical power strip, 50A, three phase delta, 208V, (24) IEC C-13 and (6) IEC C-19 receptacles, NEMA CS-8365C plug, 10' (3M) input plug. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GM-A0260BL	Vertical power strip, 60A, three phase delta, 208V, (18) IEC C-13, (12) IEC C-19 receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GM-A0261BL	Vertical power strip, 60A, three phase delta, 208V, (24) IEC C-13, (6) IEC C-19 receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. LCD display 10/100 RJ-45 Ethernet port with up to 12 RJ45 remote environmental ports, water tight. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GM-A0304BL	Vertical power strip, 60A, three phase delta, 208V, (18) C-13 locking and (6) C-19 locking receptacles, IEC 60309-9H, 3P+E blue splash-proof plug, 10' (3M) input cord, (6) magnetic double pole 20A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0305BL	Vertical power strip, 60A, three phase delta, 208V, (12) C-13 locking and (12) C-19 locking receptacles, IEC 60309-9H, 3P+E blue splash-proof plug, 10' (3M) input cord, (6) magnet double pole 20A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GM-A0257BL	Vertical power strip, 60A, single phase, 208V, (24) IEC C-13 and (6) IEC C-19 receptacles, IEC 60309-6H, 2P+E plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1

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SmartZone™ Gateway-Enabled MPO (Monitored Per Outlet) Series Rack PDUs (for Aggregate and Per Outlet Power Monitoring)

- Per outlet power monitoring provides actionable management data on the power consumption of each connected IT device enabling the redeployment or decommissioning of individual servers to reclaim available or under-utilized power capacity
- Aggregate Power Monitoring performs real-time monitoring and management of aggregate rack PDU current, voltage, kVA, kWhr, kW, Frequency and Power Factor loads to monitor, document, and manage operational power utilization
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
GMPO-A0297BL	Vertical power strip, 30A, single phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord, 6 magnetic double pole 20A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GMPO-A0298BL	Vertical power strip, 30A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, NEMA L15-30 plug, 10' (3M) input cord, (3) magnetic double pole 20A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GMPO-A0276BL	Horizontal power strip, 30A, single phase, 208V, (6) IEC C-13 locking and (2) IEC C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 1.73"H x 17.0"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1
GMPO-A0299BL	Vertical power strip, 32A, single phase, 230V, (18) C-13 locking and (6) C-19 locking receptacles, IEC 60309-6H, 2P+E blue splash-proof plug, 10' (3M) input cord, (2) magnetic single pole 16A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GMPO-A0295BL	Vertical power strip, 32A, three phase WYE, 230/400V, (18) C-13 locking and (6) C-19 locking receptacles, IEC 60309-6H, 3P+N+E red splash-proof plug, 10' (3M) input cord, (6) magnetic single pole 16A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GMPO-A0277BL	Vertical power strip, 60A, single phase, 208V, (18) IEC C-13 locking and (6) IEC C-19 locking receptacles, IEC 60309-6H, 2P+E plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1

Order number of pieces required, in multiples of Standard Package Quantity.

SmartZone™ Gateway-Enabled MS (Monitored and Switched) Series Rack PDUs (for Aggregate Power Monitoring with Switching)

- Remote power monitoring and switching controls allows users to remotely access, configure, or manage units; or manage individual or a group of outlets such as turning outlets off that are not in use (preventing overloads) or recycling power to locked-up equipment, minimizing costly downtime and travel times to service equipment
- Time delay sequencing executes time delay sequencing of individual power outlets to avoid circuit overload due to the high in rush of current at equipment start up
- Aggregate Power Monitoring performs real-time monitoring and management of aggregate rack PDU current, voltage, kVA, kWhr, kW, Frequency and Power Factor loads to monitor, document, and manage operational power utilization
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
GMS-A0284BL	Vertical power strip, 50A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles and (1) C-13 locking always on receptacle, NEMA CS-8365c plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GMS-A0280BL	Vertical power strip, 60A, three phase, 208V, (18) C-13 locking, and (6) C-19 locking receptacles and (1) C-13 locking always on receptacle, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GMS-A0283BL	Vertical power strip, 60A, single phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles and (1) C-13 locking always on receptacle, IEC 60309-6H, 2P+E plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1

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SmartZone™ Gateway-Enabled MSPO Series (Monitored and Switched Per Outlet) Series Rack PDUs (for Aggregate and Per Outlet Power Monitoring with Switching)

- Per outlet power monitoring provides actionable management data on the power consumption of each connected IT device enabling the redeployment or decommissioning of individual servers to reclaim available or under-utilized power capacity
- Remote power monitoring and switching controls allows remote access to enable individual outlets or a group of outlets to be switched on or off to reboot equipment or restrict unauthorized use of individual outlets
- Time delay sequencing executes time delay sequencing of individual power outlets to avoid circuit overload due to the high in rush of current at equipment start up
- Aggregate power monitoring performs real-time monitoring and management of aggregate rack PDU current, voltage, kVA, kWhr, kW, Frequency and Power Factor loads to monitor, document, and manage operational power utilization
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
GMSPO-A0292BL	Vertical power strip, 20A, single phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles and (1) C-13 always on locking receptacle, NEMA L6-20P plug, 10' (3M) input cord. LCD display with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GMSPO-A0286BL	Horizontal power strip, 30A, single phase, 208V, (12) C-13 locking and (4) C-19 locking receptacles and (1) C-13 always on locking receptacle, NEMA L6-30P plug, 10' (3M) input cord, and (2) 20A single pole breakers. LCD display with serial port for connection to gateway. Dimensions: 1.73"H x 17.0"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1
GMSPO-A0289BL	Vertical power strip, 30A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles and (1) C-13 always on locking receptacle, NEMA L21-30P plug, 10' (3M) input cord, (3) 20A double pole breakers with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GMSPO-A0302BL	Vertical power strip, 30A, three phase delta, 208V, (12) C-13 locking and (12) C-19 locking and (1) C-13 always on locking receptacle, NEMA L15-30P plug, 10' (3M) input cord, (4) magnetic double pole 20A breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GMSPO-A0291BL	Vertical power strip, 30A, single phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles and (1) C-13 always on locking receptacle, NEMA L6-30P plug, 10' (3M) input cord, (6) 20A double pole breakers with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1
GMSPO-A0306BL	Vertical power strip, 60A, three phase delta, 208V, (12) C-13 locking and (12) C-19 locking and (1) C-13 always on locking receptacle, IEC 60309-9H, 3P+E blue splash-proof plug, 10' (3M) input cord, (6) magnetic 20A double pole breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
GMSPO-A0288BL	Vertical power strip, 60A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles and (1) C-13 always on locking receptacle, IEC 60309-9H, 3P+E plug, 10' (3M) input cord, (6) 20A double pole breakers, with serial port for connection to gateway. Dimensions: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm). NEMKO Certified.	1

Order number of pieces required, in multiples of Standard Package Quantity.

SmartZone™ Network-Enabled M (Monitored) Series Rack PDUs (for Aggregate Power Monitoring)

Network-Enabled M Series Rack PDUs connect directly to the network to provide local and remote monitoring of aggregate power, and environmental data to quickly identify potential power issues, and reclaim available or under-utilized power capacity.

- Aggregate power monitoring performs real-time monitoring of aggregate rack PDU current, voltage, kVA, kWhr, Power Factor, kW and Frequency loads to monitor, document, and manage operational power utilization
- Remote power monitoring allows users to remotely access, configure, or manage units, minimizing costly downtime and travel times to service equipment
- Low profile breakers reduce the PDU depth preventing obstruction within the back of the cabinet
- Environmental monitoring includes two available ports for the connection of (optional) environmental sensors that monitor cabinet conditions such as temperature, humidity, and airflow to facilitate capacity management, and identify potential causes of equipment failure
- Alarm thresholds enable users to define critical power or environmental thresholds that, if reached, will prompt alarm notifications for resolution to ensure operational resilience
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
P1N1B1C0A10AKA0	Horizontal power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, NEMA 5-20P plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 1.7"H x 17.0"W x 8.8"D (44mm x 432mm x 225mm). NEMKO Certified.	1
Q1N1B1C0A24AKA0	Vertical power strip, 20A, single phase, 120V, (24) NEMA 5-20 Inline receptacles, NEMA 5-20P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N1B1D0A24AKA0	Vertical power strip, 20A, single phase, 120V, (24) NEMA 5-20 Inline receptacles, NEMA L5-20P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N1B1E0A30AHA0	Vertical power strip, 20A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, NEMA 6-20P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N1B1F0A30AHA0	Vertical power strip, 20A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L6-20P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N2B1J0A30AHA0	Vertical power strip, 20A, three phase WYE, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L21-20P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
P1N1B1L2N08ATA0	Horizontal power strip, 30A, single phase, 208V, (6) C-13 and (2) C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (1) 20A single pole breaker. Dimensions: 1.7"H x 17.0"W x 8.8"D (44mm x 432mm x 225mm). NEMKO Certified.	1

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SmartZone™ Network-Enabled M (Monitored) Series Rack PDUs (for Aggregate Power Monitoring) (continued)

Part Number	Part Description	Std. Pkg. Qty.
P1N1B1M2M10AKA0	Horizontal power strip, 30A, single phase, 120V, (10) NEMA 5-20R receptacles, NEMA L5-30P plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (1) 20A double pole breaker. Dimensions: 1.7"H x 17.0"W x 8.8"D (44mm x 432mm x 225mm). NEMKO Certified.	1
Q1N2B1L2N30AHA0	Vertical power strip, 30A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L6-30P plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (2) 20A double pole breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N2B1M2M24AKA0	Vertical power strip, 30A, single phase, 120V, (24) NEMA 5-20 receptacles, NEMA L5-30P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (2) 20A single pole breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N2B1N3N30AHA0	Vertical power strip, 30A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L15-30P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (3) 20A double pole breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N2B1P3N30AHA0	Vertical power strip, 30A, three phase WYE, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L21-30P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (3) 20A double pole breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N2B4E3N30AEA0	Vertical power strip, 30A, three phase WYE, 120/208V, (24) C-13 and (6) C-19 and 6 NEMA 5-20R receptacles, NEMA L21-30P twist lock plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (3) 20A double pole breakers. Dimensions: 70.0"H x 2.5"W x 2.4"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1N2B2T6N30AHA0	Vertical power strip, 50A, three phase, 208V, (24) C-13 and (6) C-19 receptacles, NEMA CS-8365C plug, 10' (3M) input cord. (3) 20A single pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1N2B2C3N30AHA0	Vertical power strip, 60A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-6H, 2P+E plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (3) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1N2B2W6N30AHA0	Vertical power strip, 60A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1

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Order number of pieces required, in multiples of Standard Package Quantity.

SmartZone™ Network-Enabled M (Monitored) Series Rack PDUs (for Aggregate Power Monitoring) (continued)

Part Number	Part Description	Std. Pkg. Qty.
Q1N2B2W6N30APA0	Vertical power strip, 60A, three phase delta, 208V, (18) C-13 and (12) C-19 receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1S2B2G6N24AFA0	Vertical power strip, 60A, three phase delta, 208V, (18) C-13 and (6) C-19 locking receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. LCD display, 10/100 RJ45 Ethernet port with two RJ45 remote environmental ports. Dimensions: 70.0"H x 3.25"W x 3.74"D (1778mm x 83mm x 60mm). NEMKO Certified.	1

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SmartZone™ Network-Enabled MPO (Monitored Per Outlet) Series Rack PDUs (for Aggregate and Per Outlet Power Monitoring)

Network-Enabled MPO Series Rack PDUs connect directly to the network to provide local and remote monitoring of aggregate and per outlet power data and environmental data. Power monitoring at the individual outlet level provides actionable management data on the power consumption of each connected IT device enabling the redeployment or decommissioning of individual servers to reclaim available or under-utilized power capacity.

- Aggregate power monitoring performs real-time rack PDU aggregate and per outlet monitoring at the individual device level
- Per outlet monitoring provides data to determine if power distribution is accurate allowing for PUE calculation and individual servers to be identified as candidates for additional capacity, redeployment or decommissioning, improving overall data center efficiency; monitors current, voltage, kVA, kWhr, Power Factor, kW, and Frequency loads to monitor, document, and manage operational power utilization
- Remote power monitoring allows users to remotely access, configure, or manage units, minimizing costly downtime and travel times to service equipment
- Low profile circuit breakers reduce the PDU depth preventing obstruction within the back of the cabinet
- Environmental monitoring includes two available ports for the connection of (optional) environmental sensors that monitor cabinet conditions such as temperature, humidity, and airflow to facilitate capacity management, and identify potential causes of equipment failure
- Alarm thresholds enables users to define critical power or environmental thresholds that, if reached, will prompt alarm notifications for resolution to ensure operational resilience
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
P1T2B1L2N08ATA0	Horizontal power strip, 30A, single phase, 208V, (6) C-13 locking and (2) C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord. (2) 20A double pole breakers. Dimensions: 3.47"H x 18.9"W x 8.84"D (88mm x 480mm x 225mm). NEMKO Certified.	1
Q1T2B2C3N24AFA0	Vertical power strip, 60A, single phase, 208V, (12) C-13 and (6) C-19 receptacles, IEC 60309-6H, 2P+E plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1

Order number of pieces required, in multiples of Standard Package Quantity.

SmartZone™ Network-Enabled MS (Monitored and Switched) Series Rack PDUs (for Aggregate Power Monitoring with Switching)

Network-Enabled MS Series Rack PDUs have remote switching capabilities, enabling individual outlets or a group of outlets to be switched on or off to reboot equipment or restrict unauthorized use of individual outlets. The rack PDU is connected directly to the network to provide local and remote monitoring of aggregate power and environmental data to quickly identify potential power issues and reclaim available or under-utilized power capacity.

- Aggregate Power Monitoring performs real-time monitoring and management of aggregate rack PDU current, voltage, kVA, kWhr, kW, Frequency and Power Factor loads to monitor, document, and manage operational power utilization
- Remote power monitoring and switching controls allows users to remotely access, configure, or manage units; or manage individual or a group of outlets such as turning outlets off that are not in use (preventing overloads) or recycling power to locked-up equipment, minimizing costly downtime and travel times to service equipment
- Low profile circuit breakers reduce the PDU depth, preventing obstruction within the back of the cabinet
- Executes time delay sequencing of individual power outlets to avoid circuit overload due to the high in rush of current at equipment start up
- Environmental monitoring includes two available ports for the connection of (optional) environmental sensors that monitor cabinet conditions such as temperature, humidity and airflow to facilitate capacity management and identify potential causes of equipment failure
- Alarm thresholds enables users to define critical power or environmental thresholds that, if reached, will prompt alarm notifications for resolution to ensure operational resilience
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns, and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
Q1S2B2T6N24AFA0	Vertical power strip, 50A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, NEMA CS-8365C plug, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1S2B2C3N24AFA0	Vertical power strip, 60A, single phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, IEC 60309-6H, 2P+E plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1S2B2W6N24AFA0	Vertical power strip, 60A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1

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SmartZone™ Network-Enabled MSPO (Monitored and Switched Per Outlet) Series Rack PDUs (for Aggregate and Per Outlet Power Monitoring with Switching)

Network-Enabled MSPO Series Rack PDUs have remote switching capabilities, enabling individual outlets or a group of outlets to be switched on or off to reboot equipment or restrict unauthorized use of individual outlets. Power monitoring at the individual outlet level provides actionable management data on the power consumption of each connected IT device enabling the redeployment or decommissioning of individual servers to reclaim available or under-utilized power capacity. The rack PDU is connected directly to the network to provide local and remote monitoring of aggregate power, and environmental data, to quickly identify potential power issues and reclaim available or under-utilized power capacity.

- Aggregate power monitoring performs real-time rack PDU aggregate and per outlet monitoring at the individual device level
- Per outlet monitoring provides data to determine if power distribution is accurate allowing for PUE calculation and individual servers to be identified as candidates for additional capacity, redeployment or decommissioning, improving overall data center efficiency; monitors current, voltage, kVA, kWhr, kW, Frequency, and Power Factor loads to monitor, document, and manage operational power utilization
- Remote power monitoring and switching controls allows users to remotely access, configure, or manage units; or manage individual or a group of outlets such as turning outlets off that are not in use (preventing overloads) or recycling power to locked-up equipment
- Low profile circuit breakers reduce the PDU depth preventing obstruction within the back of the cabinet
- Time delay sequencing executes time delay sequencing of individual power outlets to avoid circuit overload due to the high in rush of current at equipment start up
- Environmental monitoring includes two available ports for the connection of (optional) environmental sensors that monitor cabinet conditions such as temperature, humidity and airflow to facilitate capacity management and identify potential causes of equipment failure
- Alarm thresholds enable users to define critical power or environmental thresholds that, if reached, will prompt alarm notifications for resolution to ensure operational resilience
- LCD digital display shows a visible on-unit warning when the current draw of rack PDU is close to the maximum Amp draw levels, helping to quickly identify and resolve concerns and avoid risk of overloaded circuits

Part Number	Part Description	Std. Pkg. Qty.
Q1L1B1F0A24AFA0	Vertical power strip, 20A, single phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, NEMA 6-20P plug, 10' (3M) input plug. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
P1L2B1L2N16BQA0	Horizontal power strip, 30A, single phase, 208V, (12) C-13 and (4) C-19 locking receptacles, NEMA L6-30P plug, 10' (3M) input cord. (1) 20A single pole breaker. Dimensions: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
Q1L2B1L2N24AFA0	Vertical power strip, 30A, single phase, 208V, (18) locking C-13 and (6) locking C-19 receptacles, NEMA L6-30P plug, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1L2B1P3N24AFA0	Vertical power strip, 30A, three phase, 208V, (18) C-13 locking and (6) C-19 locking receptacles, NEMA L21-30P plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1L2B2W6N24AFA0	Vertical power strip, 60A, three phase, 208V, (12) C-13 locking and (6) C-19 locking receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1
Q1L2B2G6N24AFA0	Vertical power strip, 60A, three phase delta, 208V, (18) C-13 locking and (6) C-19 locking receptacles, IEC 60309-9H, 3P+E plug, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 70.0"H x 3.25"W x 2.4"D (1778mm x 83mm x 60mm). NEMKO Certified.	1

Order number of pieces required, in multiples of Standard Package Quantity.

Basic and Basic with Local Meter Rack PDUs

Basic and Basic with Local Meter Rack PDUs are single-phase units with standard IEC C-13, IEC C-19, or NEMA compliant receptacles and IEC plugs or NEMA twist lock plugs. The Rack PDUs have 10, 16, 24, and 30 outlet options with 3 meter (10 foot) power cords. Provided as 15, 16, 20, 30, 32, and 60 Amp circuits, the rack PDUs are capable of mounting vertically or horizontally to the rack or cabinet using hardware or mounting discs.

- Scrolling power meter (on basic rack PDUs with local meters) displays power factor, amps, volts, and watts, providing critical information on current draw and improving power manageability for network reliability
- Circuit breakers interrupts circuit over-current conditions minimizing potential power disruption
- Twist lock plug maintains a secure connection and prevents accidental power interruption (not applicable to IEC plugs)
- Multiple mounting options enables positioning of rack PDUs closer to active equipment eliminating the need for extension cords
- Mounting discs allows tool-less mounting of rack PDUs for faster installations

Part Number	Part Description	Std. Pkg. Qty.
Basic PDUs		
CMRPSH15	Horizontal power strip, 15A, single phase, 120V, (10) NEMA 5-15R for receptacles, (1) 15A thermal breaker, 10' power cord with NEMA 5-15P plug. Dimensions: 1.7"H x 19.0"W x 3.8"D (44mm x 483mm x 95mm). NEMKO Certified.	1
CMRPSV15SIL	Vertical power strip, 15A, single phase, 120V, (20) NEMA 5-15R for Inline receptacles, (1) 15A thermal breaker, red LED surge suppression indicator, and 10' power cord with NEMA 5-15P plug. Dimensions: 66.3"H x 1.9"W x 1.6"D (1683mm x 47mm x 33mm). NEMKO Certified.	1
CMRPSH20	Horizontal power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, (1) 20A thermal breaker, 10' power cord with NEMA 5-20P plug. Dimensions: 1.7"H x 19.0"W x 3.8"D (44mm x 483mm x 95mm). NEMKO Certified.	1
V1B1B1D0A30AHA0	Vertical power strip, 20A, single phase, 120V, (24) C-13 and (6) C-19 receptacles, NEMA L5-20P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
CMRPSH20STL	Horizontal power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, (1) 20A thermal breaker, red LED surge suppression indicator, and 10' power cord with NEMA L5-20P twist lock plug. Dimensions: 1.7"H x 17.0"W x 3.8"D (44mm x 431mm x 95mm). NEMKO Certified.	1
CMRPSV20	Vertical power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, (1) 20A thermal breaker, 10' power cord with NEMA 5-20P plug. Dimensions: 38.5"H x 1.9"W x 1.3"D (978mm x 47mm x 33mm). NEMKO Certified.	1
CMRPSV20SILTL	Vertical power strip, 20A, single phase, 120V, (20) NEMA 5-20R Inline receptacles, (1) 20A thermal breaker, red LED surge suppression indicator, and 10' power cord with NEMA L5-20P twist lock plug. Dimensions: 66.3"H x 1.9"W x 1.6"D (1683mm x 47mm x 33mm). NEMKO Certified.	1
H1B1B1L2N10AXA0	Horizontal power strip, 30A, single phase, 208V, (10) C-13 receptacles, NEMA L6-30P plug, 10' (3M) input cord. (2) 20A double pole breakers. Dimensions: 1.73"H x 18.9"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1
H1B1B1L2N10BCA0	Horizontal power strip, 30A, single phase, 208V, (8) C-13 and (2) C-19 receptacles, NEMA L6-30P plug, 10' (3M) input cord. (2) 20A double pole breakers. Dimensions: 1.73"H x 18.9"W x 8.84"D (44mm x 432mm x 225mm). NEMKO Certified.	1

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Basic and Basic with Local Meter Rack PDUs (continued)

Part Number	Part Description	Std. Pkg. Qty.
H1B1B1M2M10AKA0	Horizontal power strip, 30A, single phase, 120V, (10) NEMA 5-20R receptacles, NEMA L5-30P plug, 10' (3M) input cord. (2) 20A single pole breakers. Dimensions: 1.7"H x 18.9"W x 8.8"D (44mm x 432mm x 225mm). NEMKO Certified.	1
V1B2B1L2N30AHA0	Vertical power strip, 30A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L6-30P plug, 10' (3M) input cord. (2) 20A double pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1B2B1M2M24AKA0	Vertical power strip, 30A, single phase, 120V, (24) NEMA 5-20R receptacles, NEMA L5-30P plug, 10' (3M) input cord. (2) 20A single pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1B2B1M2M30AHA0	Vertical power strip, 30A, single phase, 120V, (24) C-13 and (6) C-19 receptacles, NEMA L5-30P plug, 10' (3M) input cord. (2) 20A single pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1B2B1N3N30AHA0	Vertical power strip, 30A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L15-30P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1B2B4E3N30AEA0	Vertical power strip, 30A, three phase WYE, 208V, (18) C-13 and (6) C-19 and (6) NEMA 5-20R receptacles, NEMA L21-30P plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1B2B1L2N24ALA0	Vertical power strip, 30A, single phase, 208V, (24) NEMA 6-20R receptacles, NEMA L6-30P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1B2B2C3N30AHA0	Vertical power strip, 60A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-6H, 2P+E blue water tight plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 66"H x 2.36"W x 3.25"D (1683mm x 60mm x 83mm). NEMKO Certified.	1
V1B2B2W6N30AHA0	Vertical power strip, 60A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-9H, 3P+E blue water tight plug, 10' (3M) input cord. Dimensions: 66"H x 2.36"W x 3.25"D (1683mm x 60mm x 83mm). NEMKO Certified.	1
V1B2B2G6N30AHA0	Vertical power strip, 60A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-9H, 3P+E in sleeve connector, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 66"H x 2.36"W x 3.25"D (1683mm x 60mm x 83mm). NEMKO Certified.	1

Basic PDUs with Local Meter

CMRPSV15SILM	Vertical power strip, 15A, single phase, 120V, (20) NEMA 5-15R Inline receptacles, (1) 15A thermal breaker, red LED surge suppression indicator, red LED current monitor, and 10' power cord with NEMA 5-15P plug. Dimensions: 66.3"H x 1.6"W x 1.3"D (1683mm x 42mm x 34mm). NEMKO Certified.	1
CMRPSH20CM	Horizontal power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, (1) 20A thermal breaker, red LED current monitor, 10' power cord with NEMA L5-20P plug. Dimensions: 1.7"H x 19.0"W x 4.5"D (43mm x 483mm x 114mm). NEMKO Certified.	1

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Basic and Basic with Local Meter Rack PDUs (continued)

Part Number	Part Description	Std. Pkg. Qty.
CMRPSV20SILM	Vertical power strip, 20A, single phase, 120V, (20) NEMA 5-20R Inline receptacles, (1) 20A thermal breaker, red LED surge suppression indicator, red LED current monitor, and 10' power cord with NEMA 5-20P plug. Dimensions: 66.3"H x 1.9"W x 1.6"D (1683mm x 47mm x 33mm). NEMKO Certified.	1
CMRPSV20SILTLM	Vertical power strip, 20A, single phase, 120V, (20) NEMA 5-20R Inline receptacles, (1) 20A thermal breaker, red LED surge suppression indicator, red LED current monitor, and 10' power cord with NEMA L5-20P twist lock plug. Dimensions: 66.3"H x 1.9"W x 1.6"D (1683mm x 47mm x 33mm). NEMKO Certified.	1
CMRPSH20CMTL	Horizontal power strip, 20A, single phase, 120V, (10) NEMA 5-20R receptacles, (1) 20A thermal breaker, red LED current monitor, 10' power cord with NEMA L5-20P twist-lock plug. Dimensions: 1.7"H x 19.0"W x 4.5"D (43mm x 483mm x 114mm). NEMKO Certified.	1
V1M2B1J0A30AHA0	Vertical power strip, 20A, three phase WYE, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L21-20P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1M2B4D0A30AMA0	Vertical power strip, 20A, three phase WYE, 208V, (6) NEMA L6-20R and (24) NEMA 5-20R receptacles, NEMA L21-20P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
HB1B1L4BT10M1	Horizontal power strip, 30A, single phase, 208V, (10) IEC C-13 receptacles, (4) 15A thermal breakers, red LED current monitor, and 10' power cord with NEMA L6-30P twist lock plug. Dimensions: 1.7"H x 17.0"W x 1.6"D (43mm x 431mm x 41mm). NEMKO Certified.	1
V1M2B1L2N30AHA0	Vertical power strip, 30A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L6-30P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1M2B1M2M24AKA0	Vertical power strip, 30A, single phase, 120V, (24) NEMA 5-20R receptacles, NEMA L5-30P plug, 10' (3M) input cord. (2) 20A single pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1M2B1M2M30AHA0	Vertical power strip, 30A, single phase, 120V, (24) C-13 and (6) C-19 receptacles, NEMA L5-30P plug, 10' (3M) input cord. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1M2B1N3N30AHA0	Vertical power strip, 30A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L15-30P plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1M2B1P3N30AHA0	Vertical power strip, 30A, three phase WYE, 208V, (24) C-13 and (6) C-19 receptacles, NEMA L21-30P plug, 10' (3M) input cord. (3) 20A double pole breakers. Dimensions: 70"H x 2.5"W x 2.36"D (1778mm x 64mm x 60mm). NEMKO Certified.	1
V1M2B2W6N30AHA0	Vertical power strip, 60A, three phase delta, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-9H, 3P+E blue water tight plug, 10' (3M) input cord. (6) 20A double pole breakers. Dimensions: 66"H x 2.36"W x 3.25"D (1683mm x 60mm x 83mm). NEMKO Certified.	1
V1M2B2C3N30AHA0	Vertical power strip, 60A, single phase, 208V, (24) C-13 and (6) C-19 receptacles, IEC 60309-6H, 2P+E blue water tight plug, 10' (3M) input cord (3) 20A double pole breakers. Dimensions: 66"H x 2.36"W x 3.25"D (1683mm x 60mm x 83mm). NEMKO Certified.	1

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Gateways

Panduit® SmartZone™ Solutions enable comprehensive energy and physical infrastructure efficiency in data centers, facility domains, and enterprise estates through intelligent software, hardware, and services that provide granular visibility of power, space, environmental, asset, and connectivity information that is accurate and actionable for operational optimization.

SmartZone™ Gateways enable a unique and cost-effective infrastructure topology that supplies intelligence and monitoring power to connected SmartZone™ Power Monitoring Devices and Sensors. This simplifies the network architecture by consolidating the monitoring, management, and control of these devices through one single IP address. This information can then be displayed via internal firmware or utilized by SmartZone™ Software platforms for real-time monitoring and display, management, and automated documentation of operational metrics. SmartZone™ Gateways are ideal solutions for brownfield and greenfield data centers and telco areas, large or small.

SmartZone™ Gateway EPA126

- Supports up to six connected power devices
- Has 12 environmental sensors and two access control devices
- Supports keypads or HID card readers, which, when used with electronic handles, provide secure access to the cabinet

Part Number	Description	Std. Pkg. Qty.
ZAEI-01	SmartZone™ Gateway EPA126 supports up to six connected power monitoring devices, 12 environmental sensors, two access control ports, two expansion ports, and four outputs through a single IP address. Supports Gateway EPAX18. Dual power supply. Housed in 1 RU casing. Dimensions: 18.0" x 4.5" x 1.7" (465mm x 114mm x 44mm). UK power plug.	1
ZAEI-01-NA	SmartZone™ Gateway EPA126 supports up to six connected power monitoring devices, 12 environmental sensors, two access control ports, two expansion ports, and four outputs through a single IP address. Supports Gateway EPAX18. Dual power supply. Housed in 1 RU casing. Dimensions: 18.0" x 4.5" x 1.7" (465mm x 114mm x 44mm). NEMA power plug.	1
ZAEI-01-UNI	SmartZone™ Gateway EPA126 supports up to six connected power monitoring devices, 12 environmental sensors, two access control ports, two expansion ports, and four outputs through a single IP address. Supports Gateway EPAX18. Dual power supply. Housed in 1 RU casing. Dimensions: 18.0" x 4.5" x 1.7" (465mm x 114mm x 44mm). IEC power plug.	1

SmartZone™ Gateway EPA064

- Supports up to four connected power devices
- Has 6 environmental sensors and two access control devices
- Supports keypads or HID card readers, when used with electronic handles, provide secure access to the cabinet

Part Number	Description	Std. Pkg. Qty.
ZAHI3-01	SmartZone™ Gateway EPA064 supports up to four connected power monitoring devices, six environmental sensors, two access control ports and two outputs through a single IP address. Single power supply. Housed in 1 RU casing. Dimensions: 19.0" x 4.5" x 1.7" (483mm x 115mm x 44mm). UK power plug.	1
ZAHI3-01-NA	SmartZone™ Gateway EPA064 supports up to four connected power monitoring devices, six environmental sensors, two access control ports and two outputs through a single IP address. Single power supply. Housed in 1 RU casing. Dimensions: 19.0" x 4.5" x 1.7" (483mm x 115mm x 44mm). NEMA power plug.	1
ZAHI3-01-UNI	SmartZone™ Gateway EPA064 supports up to four connected power monitoring devices, six environmental sensors, two access control ports and two outputs through a single IP address. Single power supply. Housed in 1 RU casing. Dimensions: 19.0" x 4.5" x 1.7" (483mm x 115mm x 44mm). IEC power plug.	1

Order number of pieces required, in multiples of Standard Package Quantity.

SmartZone™ Gateway EP042

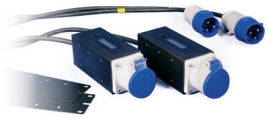
- Supports up to two connected power devices and four environmental sensors
- Can be installed on a per rack basis as a zero RU unit that can be mounted directly to, or within, the rack enclosure

Part Number	Description	Std. Pkg. Qty.
ZARKMS-01	SmartZone™ Gateway EP042 supports up to two connected power monitoring devices and four environmental sensors through a single IP address. Single power supply. Housed in Zero RU casing. Dimensions: 9.0" x 3.0" x 1.5" (233mm x 79mm x 37mm). UK power plug.	1
ZARKMS-01-NA	SmartZone™ Gateway EP042 supports up to two connected power monitoring devices and four environmental sensors through a single IP address. Single power supply. Housed in Zero RU casing. Dimensions: 9.0" x 3.0" x 1.5" (233mm x 79mm x 37mm). NEMA power plug.	1
ZARKMS-01-UNI	SmartZone™ Gateway EP042 supports up to two connected power monitoring devices and four environmental sensors through a single IP address. Single power supply. Housed in Zero RU casing. Dimensions: 9.0" x 3.0" x 1.5" (233mm x 79mm x 37mm). IEC power plug.	1

SmartZone™ Zero-RU Inline Meters

The Panduit® SmartZone™ Zero-RU Inline Meter captures aggregate power of a non-intelligent PDU by quickly installing between the PDU power plug and its primary power source, and then easily plugging the Zero-RU Inline Meter into an RJ45 gateway port. This inline device can then be inserted into the cabinet or mounted to the cabinet enclosure to save valuable RU space. This rapidly initiates power consumption monitoring and measurement of existing installed PDUs without the expense, time, or trouble of installing new PDU equipment.

Gateway-Enabled M Series Zero-RU Inline Meter



Part Number	Description	Std. Pkg. Qty.
GM-A0923BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 20A, 120V Single Phase, NEMA 5-20P Plug and NEMA 5-20R Socket. Dimensions: 11.1" x 9.92" x 2.36" (282mm x 252mm x 60mm).	1
GM-A0922BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 20A, 120V Single Phase, NEMA L5-20P Plug and NEMA L5-20R Socket. Dimensions: 13.07" x 11.89" x 3.19" [332mm x 302mm x 81mm).	1
GM-A0924BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 20A, 208V Single Phase, NEMA L6-20P Plug and NEMA L6-20R Socket. Dimensions: 13.07" x 11.89" x 2.36" (332mm x 302mm x 60mm).	1
GM-A0919BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 20A, 208V Single Phase, IEC 60309 2P+E Commando Plugs and Sockets. Dimensions: 10.47" x 7.17" x 3.19" (266mm x 182mm x 81mm).	1
GM-A0920BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 20A, 208V Three Phase Delta, 3P+E Commando Plugs and Sockets. Dimensions: 14.13" x 10.51" x 3.19" (359mm x 267mm x 81mm).	1
GM-A0929BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 30A, 120V Single Phase, NEMA L5-30P Plug and NEMA L5-30R Socket. Dimensions: 13.07" x 11.89" x 2.36" (332mm x 302mm x 60mm).	1
GM-A0931BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 30A, 208V Single Phase, NEMA L6-30P Plug and NEMA L6-30R Socket. Dimensions: 13.0" x 11.89" x 2.36" (332mm x 302mm x 60mm).	1
GM-A0926BL	SmartZone™ Gateway-Enabled Zero-RU Inline Meter that adds intelligent power monitoring capabilities to a non-intelligent rack PDU. 30A, 208V Single Phase, 2P+E Commando Plugs and Sockets. Dimensions: 10.83" x 7.17" x 3.19" (275mm x 182mm x 81mm).	1

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SmartZone™ 1RU Inline Meters

The Panduit® SmartZone™ 1RU Inline Meter captures aggregate power for up to two separate non-intelligent PDUs by quickly installing between the PDU power plugs and their primary power source, and then easily plugging the 1RU Inline Meter into an RJ45 gateway port. This rack-mounted device installs as a 1RU device and supports monitoring of up to two installed PDUs to save overall space. This makes the SmartZone™ 1RU Inline Meter ideal for existing data centers that want to upgrade or maximize multiple PDUs per rack and gain instant access to power consumption data via front of rack displays. It rapidly initiates power consumption monitoring and measurement of existing installed PDUs without the expense, time, or trouble of installing new PDU equipment.

Part Number	Description	Std. Pkg. Qty.
GM-A0946BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 20A, 120V Single Phase, NEMA 5-20P Plug and NEMA 5-20R Socket. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0945BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 20A, 120V Single Phase, NEMA L5-20P Plug and NEMA L5-20R Socket. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0948BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 20A, 208V Single Phase, NEMA L6-20P Plug and NEMA L6-20R Socket. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0936BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 20A, 208V Single Phase, 2P+E Commando Plugs and Sockets. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0937BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 20A, 208V Three Phase Delta, 3P+E Commando Plugs and Sockets. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0947BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 30A, 120V Single Phase, NEMA L5-30P Plug and NEMA L5-30R Socket. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0949BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 30A, 208V Single Phase, NEMA L6-30P Plug and L6-30R Socket. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0939BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 30A, 208V Single Phase, 2P+E Commando Plugs and Sockets. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1
GM-A0940BL	SmartZone Gateway-Enabled 1RU Inline Meter that adds intelligent power monitoring capabilities for up to two non-intelligent rack PDUs. Rack mountable. 30A, 208V Three Phase Delta, 3P+E Commando Plugs and Sockets. Dimensions: 19.0" x 1.73" (482mm x 44mm).	1

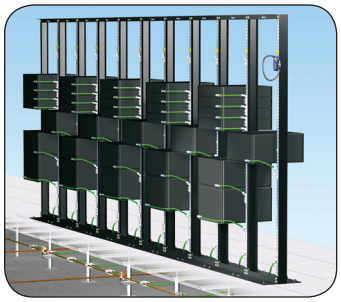
SmartZone™ Clamp Meter

The Panduit® SmartZone™ Clamp Meter captures basic power consumption of non-intelligent devices by attaching the clamp meter casing directly over a live power cable and then easily plugging the clamp meter into an RJ45 gateway port. This rapidly initiates power consumption monitoring and measurement without the service interruption of powering down devices.

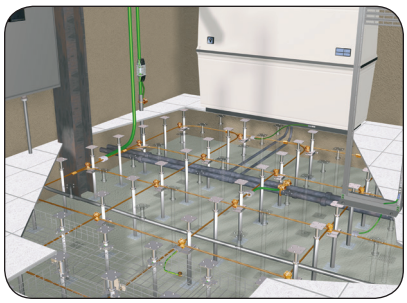
Part Number	Description	Std. Pkg. Qty.
ZACLAMP-01	Gateway-enabled clamp meter that non-invasively adds intelligent power monitoring capabilities to non-intelligent rack PDUs.	1

Order number of pieces required, in multiples of Standard Package Quantity.

Grounding and Bonding



Panduit grounding and bonding solutions meet customer needs and today's critical application requirements for grounding data centers and telecommunication spaces. Panduit® StructuredGround™ Grounding System provides a high quality, visually verifiable, and dedicated grounding path to maintain system performance and protect network equipment and personnel. Panduit grounding and bonding components are designed for use on racks and cabinets which meet EIA-310.



- **Ensures highest network system performance**
- **Prevents equipment damage**
- **Maximizes uptime**
- **Meets TIA-942, TIA-607-C, IEEE Std 1100 (IEEE Emerald Book), UL and CSA**
- **Promotes personnel protection**
- **Designed for flexibility and easy installation**

StructuredGround™ Grounding System components provide a low resistance grounding path for reliability; include factory terminated jumpers for easy installation; and are kitted for convenience. Jumper kits include Panduit Copper Compression Electrical Connectors that meet NEBS Level 3 Criteria, the highest level of operability within the network facility environment. A full line of manual, controlled cycle, and battery operated hydraulic crimping tools meet application needs and provide lowest installed cost. For the complete line of Panduit Electrical Power and Grounding Connectors and crimping tools, refer to www.panduit.com or refer to the Electrical Solutions Catalog ELCB15--SA-ENG.

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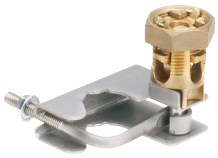
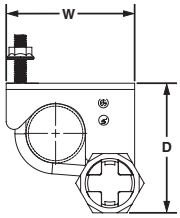
Access Floor Grounding Clamps

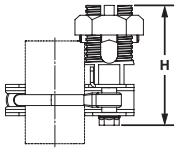
PATENTED

- Bond mesh common bonding network (MCBN) conductors to each other and bond the access floor pedestals to the conductors
- Specifically designed to bond perpendicular MCBN conductors per TIA-942 and TIA-607-C
- Bond to the pedestal with a single bolt to simplify installation
- Accommodate conductors from #6 – 1/0 AWG, minimizes inventory requirements
- Bond round and square access floor pedestals for greater flexibility



Installed on Pedestal

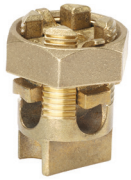




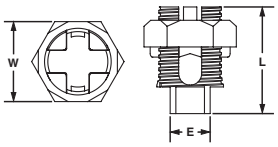
Part Number	Round Pedestal In.	Square Pedestal In.	MCBN Conductor Size Range AWG	Flight Dimensions In.			Tightening Torque In. – Lbs. Part Number		Std. Pkg. Qty.	Std. Ctn. Qty.
				D	W	H	Conductor	Clamp		
GPQC07-1/0	3/4 – 7/8	—	#6 SOL – 1/0 STR	4.25	3.38	3.19	385	150	1	10
GPQC10-1/0	1 – 1 1/8	7/8	#6 SOL – 1/0 STR	4.25	3.38	3.19	385	150	1	10
GPQC12-1/0	1 1/4	—	#6 SOL – 1/0 STR	4.25	3.44	3.19	385	150	1	10
GPQC15-1/0	1 1/2	—	#6 SOL – 1/0 STR	4.25	3.44	3.19	385	150	1	10
GPQC17-1/0	1 3/4	—	#6 SOL – 1/0 STR	4.25	4.00	3.19	385	150	1	10
GPQC20-1/0	2	—	#6 SOL – 1/0 STR	4.25	4.00	3.19	385	150	1	10

Split Bolt Quad Clamp, Bronze

DB RATED



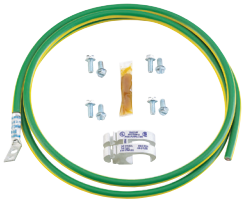
- Split bolt design allows easy insertion of perpendicular conductors speeding installation
- UL 467 Listed and CSA Certified for direct burial in earth or concrete
- UL Listed and CSA Certified for use up to 600 V and temperature rated 90°C
- Each clamp accepts up to two conductors for a high performance bond with faster installation
- Wide wire range-taking capability minimizes inventory requirements
- Made from high strength, electrolytic bronze to provide reliable grounding connections



Part Number	Conductor Size Range	Flight Dimensions In.			Tightening Torque In. – Lbs.	Std. Ctn. Qty.
		E	W	L		
SBQC1/0-X	#6 –#10 AWG	0.75	1.50	2.00	#6 – #4 AWG – 165 #3 – #1 AWG – 275 #1/0 – #4 AWG – 385	10

Common Bonding Network (CBN) Jumper Kits

- Bond the rack or cabinet to the MCBN
- HTAPs, included in kits, require crimping tool and die; see the CT-930 crimping tool on page L.25, the CT-2930/L and CT-2930/LE crimping tools on page L.26 and the CD-930H-250 and CD-920H-2 crimping dies on page L.27
- HTAPs are UL Listed and CSA Certified for applications up to 600 V when crimped with Panduit and specified competitor crimping tools and Panduit crimping dies
- Engineered to comply with US and International grounding requirements



Part Number	MCBN Conductor Size AWG	Flight Dimensions In.	Std. Pkg. Qty.	Std. Ctn. Qty.
RGCBNJ660P22	HTCT2-2-1 #6 – #2 AWG	#6 AWG (16mm²) jumper; 60" (1.52m) length; 45° bent lug on grounding strip side; provided with .16 oz. (5cc) of antioxidant, two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws and a copper compression HTAP* for connecting to the MCBN.	1	10
RGCBNJ660PY	HTCT250-2-1 #6 AWG – 250 kcmil		1	10

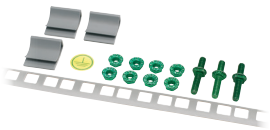
*HTAPs also sold separately, see pages L.21–L.22.

Order number of pieces required, in multiples of Standard Package Quantity.

Grounding Strip Kits

- Bonds up to 45 RU per rack
- EIA Universal mounting hole pattern
- Engineered to comply with US and International grounding requirements

Threaded Rail Kit

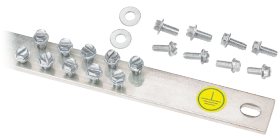


Cage Nut Rail Kit

Part Number	Part Description	Std. Pkg. Qty.
Grounding Strip Kits for Threaded Rail Fasteners		
RGS134-1Y	Grounding strip; 78.65" (2m) length; .67" (17mm) width; .05" (1.27mm) thickness; provided with .16 oz. (5cc) of antioxidant, one grounding sticker and three each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1
RGS134-10-1Y	Ten grounding strips; 78.65" (2m) length; .67" (17mm) width; .05" (1.27mm) thickness; provided with .16 oz. (5cc) of antioxidant, ten grounding stickers and 30 each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1
Grounding Strip Kits for Cage Nut Rail Fasteners		
RGS134B-1	Grounding strip; 78.70" (2m) length; .67" (17mm) width; .05" (1.27mm) thickness; provided with .16 oz. (5cc) of antioxidant, one grounding sticker, three cage nut bonding studs, eight #12-24 bonding nuts and three strip clips.	1
RGS134B-10-1	Ten grounding strips; 78.70" (2m) length; .67" (17mm) width; .05" (1.27mm) thickness; provided with .16 oz. (5cc) of antioxidant, ten grounding stickers, 30 cage nut bonding studs, 80 #12-24 bonding nuts and 30 strip clips.	1

Grounding Busbar Kits

- Provide the common grounding point within the cabinet
- Optimized for installation on 19" racks or cabinets that meet EIA-310
- Can be positioned anywhere on the rack or cabinet
- Available pre-assembled with twenty mounting screws for quick and easy installation
- Engineered to comply with US and International grounding requirements



RGRB19U

Part Number	Part Description	Std. Pkg. Qty.
Grounding Busbar Kits for Threaded Rail Fasteners		
RGRB19Y	Grounding busbar; 19" (483mm) length; tin-plated; fourteen holes arranged for flexibility in mounting; provided with two each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1
RGRB19U	Grounding busbar; 19" (483mm) length; tin-plated; twenty holes arranged for flexibility in mounting with twenty #12-24 x 1/2" hex head screws installed; mounting hole sets have 5/8" (15.9mm) spacing; provided with two each #12-24 x 1/2", M6 x 12mm thread-forming screws, and two #12 flat washers for mounting.	1
Grounding Busbar Kit for Cage Nut Rail Fasteners		
RGRB19CN	Grounding busbar; 19" (483mm) length; tin-plated; twenty holes arranged for flexibility in mounting with twenty #12-24 x 1/2" hex head screws installed; mounting hole sets have 5/8" (15.9mm) spacing; provided with two cage nut bonding studs and four #12-24 bonding nuts.	1

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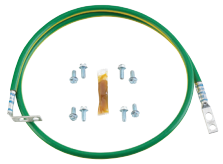
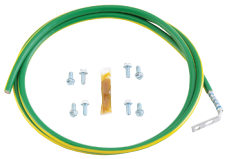
Equipment Jumper Kits

- Bond network equipment to grounding strip or grounding busbar
- Jumper kit available with both ends factory terminated to provide a bolt-on solution
- Jumper kit available with one end factory terminated to attach to the grounding strip or grounding busbar; free end accommodates unique equipment terminations
- Use jumpers with 90° bent lug, on grounding strip side, for high-density grounding requirements up to one ground point per RU
- Use jumpers with 45° bent lugs, on grounding strip side, for improved cable management
- Engineered to comply with US and International grounding requirements



RGEJ1024PFY



RGEJ1057PFY

Part Number	Length In. (m)	Angle	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
#6 AWG (16mm²) Equipment Jumper Factory Terminated on One End for Switches, Cabinets, and 4-Post Racks					
GJS660U	60 (1.52)	Straight	#6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAW-L.	1	10
GJS696U	60 (1.52)	Straight		1	10
#10 AWG (6mm²) Equipment Jumpers Factory Terminated on Both Ends					
RGEJ1024PHY	24 (0.61)	45°	#10 AWG (6mm²) jumper; bent lug on grounding strip side to straight lug on equipment; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1	10
RGEJ1024PFY	24 (0.61)	90°		1	10
RGEJ1036PFY	36 (0.91)	90°		1	10
RGEJ1024URT*	24 (0.61)	Straight	#10 AWG (6mm²) jumper, 24 in. (609.6mm) L, pre-terminated with two #10 (5.3mm) stud hole ring terminals to provide a bolt-on solution for grounding network equipment.	1	10
#6 AWG (16mm²) Equipment Jumpers Factory Terminated on Both Ends					
RGEJ624PHY	24 (0.61)	45°	#6 AWG (16mm²) jumper; bent lug on grounding strip side to straight lug on equipment; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1	10
RGEJ624PFY	24 (0.61)	90°		1	10
RGEJ636PFY	36 (0.91)	90°		1	10
RGEJ660PF	60 (1.52)	90°	#6 AWG (16mm²) jumper; bent lug on grounding strip side to straight lug on equipment.	1	10
RGEJ696PF	96 (2.44)	90°		1	10
RGEJ660U*	60 (1.52)	Straight	#6 AWG (16mm²) jumper, 60 in. (1524mm) L, pre-terminated with two straight slotted lugs to provide a bolt-on solution for grounding network equipment.	1	10
RGEJ696U*	96 (2.44)	Straight	#6 AWG (16mm²) jumper, 96 in. (2438.4mm) L, pre-terminated with two straight slotted lugs to provide a bolt-on solution for grounding network equipment.	1	10
#10 AWG (6mm²) Equipment Jumper Factory Terminated on One End					
RGEJ1057PFY	57 (1.45)	90°	#10 AWG (6mm²) jumper; bent lug on grounding strip side; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1	10
#6 AWG (16mm²) Equipment Jumper Factory Terminated on One End					
RGEJ657PFY	57 (1.45)	90°	#6 AWG (16mm²) jumper; bent lug on grounding strip side; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1	10

*For use with Vblock preconfigured solutions.

Order number of pieces required, in multiples of Standard Package Quantity.

Surge Suppressor Jumper Kit

- Bonds power or data line surge suppressor to grounding strip or grounding busbar
- Both ends factory terminated to provide a bolt-on solution
- Engineered to comply with US and International grounding requirements

Part Number	Part Description	Std. Pkg. Qty.
SSGK-1	#10 AWG (6mm²) jumper; 24" (.61m) length; factory terminated on both ends; one-hole lug on surge suppressor to two-hole lug on grounding strip/busbar side; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1

Armored Cable Grounding Kit

- Provides a secure bond to the armor sheath on indoor and indoor/outdoor fiber optic cables at both cassette and enclosure ends
- Worm-gear design evenly distributes forces across the armor
- Made from steel and aluminum material is compatible with common armor for long-term reliability
- Black insulating cover protects and hides the connection for an aesthetically pleasing work area
- Complies with industry requirements ensuring a high level of reliability and safety

Part Number	Part Description	Std. Pkg. Qty.
ACG24K	#6 AWG (16mm²) jumper for armored cable diameter up to 0.84" (21.3mm); 24" (609.6mm) length; factory terminated on one end with LCC6 two-hole copper compression lug and the other end with grounding terminal; provided with two each #12-24 and M6 thread-forming screws and a black polypropylene terminal cover.	1
ACG24K-500	#6 AWG (16mm²) jumper for armored cable diameter 0.85" (21.3mm) to 1.03" (26.2mm); 24" (609.6mm) length; factory terminated on one end with LCC6 two-hole copper compression lug and the other end with grounding terminal; provided with two each #12-24 and M6 thread-forming screws and a black polypropylene terminal cover.	
ACG24KX-500	#6 AWG (16mm²) jumper for armored cable diameter 0.94" (23.9mm) to 1.5" (38.1mm); 24" (609.6mm) length; factory terminated on one end with LCC6 two-hole copper compression lug and the other end with grounding terminal; provided with two each #12-24 and M6 thread-forming screws and a black polypropylene terminal cover.	1
ACGK	Armored cable grounding kit with one grounding terminal for #6 AWG and one #10 mechanical clamp, 9/16" – 1 1/16" diameter range.	1
ACGKX	Armored cable grounding kit with one grounding terminal for #6 AWG and one #16 mechanical clamp, 15/16" – 1 1/2" diameter range.	1

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Telecommunication Equipment Bonding Conductor (TEBC) Kits

- Bonds the rack or cabinet to the telecommunications grounding busbar (SBB/TGB)
- Jumper kit available with both ends factory terminated to provide a bolt-on solution
- Jumper kit available with one end factory terminated to attach to the rack or cabinet; free end accommodates unique length requirements
- Engineered to comply with US and international grounding requirements

Pre-Terminated on Both Ends

Part Number	Length		Angle	Part Description	Std. Pkg. Qty.
	In.	m			
Jumpers Pre-Terminated on Both Ends					
GJ672UH	72	1.83	Straight and 45°	One 72" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ696UH	96	2.44	Straight and 45°	One 96" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6120UH	120	3.05	Straight and 45°	One 120" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6144UH	144	3.66	Straight and 45°	One 144" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6168UH	168	4.27	Straight and 45°	One 168" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6192UH	192	4.88	Straight and 45°	One 192" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6216UH	216	5.49	Straight and 45°	One 216" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6240UH	240	6.10	Straight and 45°	One 240" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6264UH	264	6.71	Straight and 45°	One 264" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1
GJ6288UH	288	7.32	Straight and 45°	One 288" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAWH-L and the other end with LCC6-14JAW-L.	1

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Telecommunication Equipment Bonding Conductor (TEBC) Kits (continued)

Pre-Terminated on One End

Part Number	Length In.	Length m	Angle	Part Description	Std. Pkg. Qty.
Jumpers Pre-Terminated on One End					
GJS6120U	120	3.05	Straight	One 120" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAW-L.	1
GJS6180U	180	4.57	Straight	One 180" length #6 AWG green wire with yellow horizontal stripe. Jumper is pre-terminated on one end with LCC6-14JAW-L.	1

Hardware for TEBC Kits

Part Number	Part Description	Std. Pkg. Qty.
Hardware for TEBC Kits		
HDW1/4-KT	Stainless steel mounting hardware for busbar; two 1/4-20 hex bolts, two 1/4-20 hex nuts, four 1/4 flat washers and two 1/4 Belleville compression washers. Mounting hardware for rack or cabinet; two #12-24 thread-forming screws and two M6 thread-forming screws.	1
HDW3/8-KT	Stainless steel mounting hardware for busbar; two 3/8-16 hex bolts, two 3/8-16 hex nuts, four 3/8 flat washers and two 3/8 Belleville compression washers. Mounting hardware for rack or cabinet; two #12-24 thread-forming screws and two M6 thread-forming screws.	1
HDW1/4-A-KT	Stainless steel mounting hardware for busbar; two 1/4-20 hex bolts, two 1/4-20 hex nuts, four 1/4 flat washers and two 1/4 Belleville compression washers. Mounting hardware for rack or cabinet; two #10-32 thread-forming screws and two M5 thread-forming screws.	1
HDW3/8-A-KT	Stainless steel mounting hardware for busbar; two 3/8-16 hex bolts, two 3/8-16 hex nuts, four 3/8 flat washers and two 3/8 Belleville compression washers. Mounting hardware for rack or cabinet; two #10-32 thread-forming screws and two M5 thread-forming screws.	1

LISTED CERTIFIED PATENTED

Enclosure Grounding Kit

- Patented bracket provides equipotential bonding and protection from static electricity for equipment housed in enclosures
- A discrete grounding point for each piece of equipment within the enclosure allows equipment to be easily added or moved without disturbing other grounding connections
- Anti-rotation design prevents one-hole lugs from loosening
- Grounding washer provides a high-performance electrical bond, eliminating the need to manually remove paint
- Built-in ESD port provides a convenient docking station for ESD wrist strap
- Provides proper bonding of PanZone® Active Wall Mount Enclosure PZAEWM3, see page F.4

Part Number	Part Description	Std. Pkg. Qty.
PZAEGK	One tin-plated copper bracket; 3.92" L x .56" W x .79" H (99.6mm x 14.2mm x 20.1mm); provided with four #12-24 screws, one each #10-32 and #10-24 hex nut, #10 split lock washer, grounding washer and ESD protection sticker.	1

Shielded Jack Module Grounding Kit

- Alternate method for grounding modules to another grounding wire in shielded applications

Part Number	Part Description	Std. Pkg. Qty.	Std. Pkg. Qty.
CJSGK-XY	Kit used to ground enhanced Giga-TX™ Shielded Jack Modules to another ground wire in shielded applications.	1	1

Electrostatic Discharge (ESD) Port Kits and ESD Wrist Strap

- Accommodate standard ESD wrist strap 4mm plug
- Wrist strap provides rapid and continuous drain of electrostatic charge between a person and the surface that the wrist strap is bonded to, preventing damaging static discharge into equipment
- Can be mounted to front or back of rack or cabinet for convenient access
- Bent 45°, acts as a hook to hold wrist strap
- Two-hole configuration provides anti-rotation and prevents loss of bond
- Barrel permanently marked with the protective earth (ground) symbol
- Engineered to comply with US and International grounding requirements

RGESD2-1

RGESD2B-1

RGESDWS

Part Number	Part Description	Std. Pkg. Qty.	Std. Pkg. Qty.
ESD Port Kit for #12-24 or M6 Rail Fasteners			
RGESD2-1	Two-hole ESD port with 5/8" hole spacing; provided with an ESD protection sticker, .16 oz. (5cc) of antioxidant, and two each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1	20
ESD Port Kit for Cage Nut Rail Fasteners			
RGESD2B-1	Two-hole ESD port with 5/8" hole spacing; provided with an ESD protection sticker, .16 oz. (5cc) of antioxidant, two cage nut bonding studs and two #12-24 bonding nuts.	1	20
ESD Wrist Strap			
RGESDWS	Adjustable fabric ESD wrist strap with 6' coil cord, banana plug, 1 megohm resistor and 4mm snap.	1	–

ESD port must be attached to a grounded member.
ESD wrist strap sold separately.

PATENTED Bonding Screws

- Patented screws create an electrical bond between painted patch panels and racks or cabinets
- Serrations on bottom of screw remove paint from patch panel, providing metal-to-metal contact
- Available in two color options to meet different application needs
- Thread-forming, provides a bond to the rack or cabinet by removing paint from threaded holes and minimizing metal shavings
- Permanently marked with the protective earth (ground) symbol and Panduit logo
- Easily installed with Phillips screwdriver

Part Number	Part Description	Std. Pkg. Qty.
RGTBSG-C	Green thread-forming bonding screw, #12-24 x 1/2".	100
RGTBSM6G-C	Green thread-forming bonding screw, M6 x 15mm.	100
RGTBS1032G-C	Green thread-forming bonding screw, #10-32 x 1/2".	100
RGTBSM5G-C	Green thread-forming bonding screw, M5 x 15mm.	100

Order number of pieces required, in multiples of Standard Package Quantity.

PATENTED Bonding Cage Nuts

- Patented, creates an electrical bond between the mounting rails and equipment
- Conforms to EIA-310 specifications for racks and cabinets
- Made from high carbon steel
- Easily installed with a Phillips, flat blade, or nut screwdriver

Part Number	Part Description	Std. Pkg. Qty.
CNB4K	Green bonding cage nut, includes four #12-24 bonding cage nuts (.06 – .11 thick panel) and four #12-24 x 1/2" bonding screws with #2 Phillips/slotted combo hex head (use 5/16" or 8mm socket). Ideal for patch panel applications.	1
CNBK	Green bonding cage nut, includes 50 #12-24 bonding cage nuts (.06 – .11 thick panel) and 50 #12-24 x 1/2" bonding screws with #2 Phillips/slotted combo hex head (use 5/16" or 8mm socket).	1

Thread-Forming Screws

- Thread-forming, provide a bond to the rack or cabinet by removing paint from threaded holes and minimizing metal shavings
- Easily installed with 5/16" (8mm) socket head wrench or flat blade screwdriver

Part Number	Part Description	Std. Pkg. Qty.
RGTS-CY	Thread-forming grounding screw, #12-24 x 1/2".	100
RGTSM6-C	Thread-forming grounding screw, M6 x 12mm.	100
RGTS1032-C	Thread-forming grounding screw, #10-32 x 1/2".	100
RGTSM5-C	Thread-forming grounding screw, M5 x 12mm.	100

Paint Piercing Grounding Washer Kit

- Bonds frame members on bolt-together racks
- No paint scraping required
- Green color-coding to indicate bonding application
- Engineered to comply with US and International grounding requirements

Part Number	Part Description	Std. Pkg. Qty.
RGW-100-1Y	100 paint piercing bonding washers for 3/8" (M8) stud size; .875" (22.2mm) O.D.; provided with .16 oz. (5cc) of antioxidant.	1

A. About Panduit
B. Copper Systems
C. Fiber Systems
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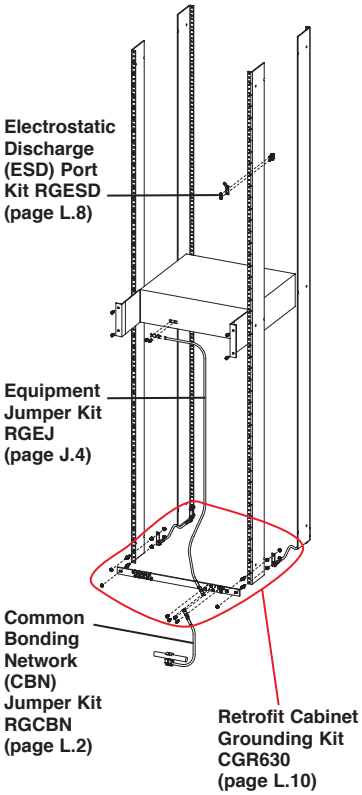
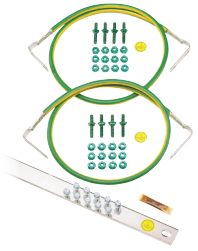
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Retrofit Cabinet Grounding Kits

PATENTED

- Provide a dedicated ground system to maintain system performance and protect network equipment when equipment is already installed
- Patented hardware incorporates paint piercing serrations to create a bond point between the cabinet rail, grounding busbar and lug; hardware never needs to be removed for new equipment installations
- Optimized for installation on 19" cabinets that meet EIA-310, with functioning equipment, and are deployed in the field
- Provides a complete system of matched components to save cost and labor
- Engineered to comply with US and International grounding requirements





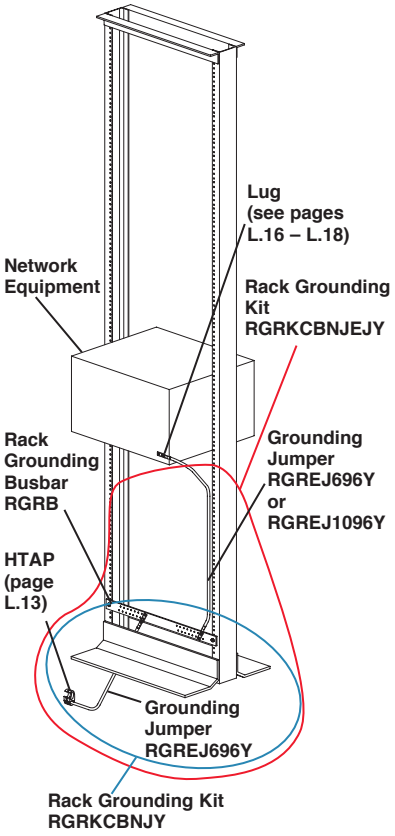
CGR630UB

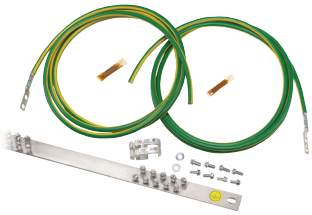
Part Number	Part Description	Std. Pkg. Qty.
CGR630U	Retrofit grounding kit for installation on cabinets with threaded #12-24 or M6 rail fasteners and rail depth up to 30" (.75m); includes one RGRB19U grounding busbar kit and one CGJ630U front to back rail jumper kit.	1
CGR630UB	Retrofit grounding kit for installation on cabinets with cage nut rail fasteners and rail depth up to 30" (.75m); includes one RGRB19U grounding busbar kit and one CGJ630UB front to back rail jumper kit.	1

Order number of pieces required, in multiples of Standard Package Quantity.

Retrofit Rack Grounding Kits

- Provide a dedicated ground system to maintain system performance and protect network equipment when equipment is already installed
- Optimized for installation on 19" racks that meet EIA-310, with functioning equipment, and are deployed in the field
- Provide a complete system of matched components that can be easily selected to save cost and labor
- Thread-forming screws eliminate the need to manually remove paint from the rack
- Engineered to comply with US and International grounding requirements





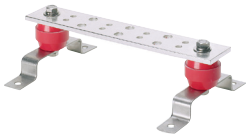
RGRKCBNJEJY

RGRKCBNJY

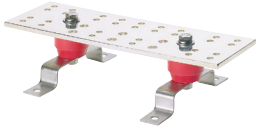
Part Number	Part Description	Std. Pkg. Qty.
Busbar and Jumper Kits		
RGRKCBNJEJY	Rack grounding kit to ground the rack and one piece of equipment; includes one RGRB19U busbar, one HTCT250-2-1 HTAP, and two RGREJ696Y grounding jumpers.	1
RGRKCBNJY	Rack grounding kit to ground the rack; includes one RGRB19U busbar, one HTCT250-2-1 HTAP, and one RGREJ696Y grounding jumper.	1
Busbar Kits		
RGRB19Y	Grounding busbar; 19" (483mm) length; tin-plated; fourteen holes arranged for flexibility in mounting; provided with two each #12-24 x 1/2" and M6 x 12mm thread-forming screws.	1
RGRB19U	Grounding busbar; 19" (483mm) length; tin-plated; twenty holes arranged for flexibility in mounting with twenty #12-24 x 1/2" hex head screws installed; mounting hole sets have 5/8" (15.9mm) spacing; provided with two each #12-24 x 1/2", M6 x 12mm thread-forming screws, and two #12 flat washers for mounting.	1
RGRB19CN	Grounding busbar; 19" (483mm) length; tin-plated; twenty holes arranged for flexibility in mounting with twenty #12-24 x 1/2" hex head screws installed; mounting hole sets have 5/8" (15.9mm) spacing; provided with two bonding cage nuts and four #12-24 bonding screws.	1
Equipment Jumper Kits		
RGREJ696Y	Grounding jumper; #6 AWG (16mm²); 96" (2.44m) length; one end factory terminated to lug; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1
RGREJ1096Y	Grounding jumper; #10 AWG (6mm²); 96" (2.44m) length; one end factory terminated to lug; provided with .16 oz. (5cc) of antioxidant and two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws.	1

BICSI/TIA-607-C Telecommunications Grounding Busbars

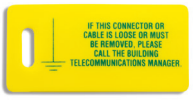
- Meet BICSI and TIA-607-C requirements for network systems grounding applications
- Made of high conductivity copper and tin-plated to inhibit corrosion
- Come pre-assembled with brackets and insulators attached for quick installation
- Use Panduit component labels, sold separately, to identify busbars to meet TIA-607-C, see chart below



SBB/TGB



PBB/TMGB



LTYK

Part Number	Bar Size	No. of Mounting Positions: 1/4" Stud Hole with 5/8" Hole Spacing	No. of Mounting Positions: 3/8" Stud Hole with 1" Hole Spacing	Std. Pkg. Qty.
Secondary Bonding Busbars (Telecommunications Grounding Busbars) (SBB/TGB)				
GB2B0304TPI-1	1/4" x 2" x 10"	4	3	1
GB2B0306TPI-1	1/4" x 2" x 12"	6	3	1
GB2B0312TPI-1	1/4" x 2" x 20"	12	3	1
GB2B0514TPI-1	1/4" x 2" x 24"	14	5	1
Primary Bonding Busbars (Telecommunications Main Grounding Busbars) (PPB/TMGB)				
GB4B0612TPI-1	1/4" x 4" x 12"	12	6	1
GB4B0624TPI-1	1/4" x 4" x 20"	24	6	1
GB4B1028TPI-1	1/4" x 4" x 24"	28	10	1
Telecommunications Grounding and Bonding Conductor Label Kit				
LTYK	Label kit includes printed tag and one flame retardant cable tie.	1	10	1

For complete labeling solutions and product information, reference charts on pages M.1 – M.25.

Component Labels for BICSI/TIA-607-C Bonding Busbars

Suggested Label Solutions for TIA-606-B Compliance			
Busbar Part Number	Laser/Ink Jet Desktop Printer Label	TDP43ME Thermal Transfer Desktop Printer Label	PanTher™ LS8E Hand-Held Printer Label
All GB2B and GB4B Parts	C200X100FJJ	C200X100YPT	C200X100FJC

NEMA Hole Pattern Busbars

- Provided with standard NEMA hole pattern spacing
- Made of high conductivity copper and tin-plated to inhibit corrosion
- Come pre-assembled with brackets and insulators attached for quick installation
- Insulators provide 600 V of insulation

Part Number	Bar Size	No. of Mounting Positions: 1/2" Stud Hole with 1 3/4" Hole Spacing	Std. Pkg. Qty.
GB4N0007TPI-1	1/4" x 4" x 12"	7	1
GB4N0016TPI-1	1/4" x 4" x 24"	16	1
GB4N0024TPI-1	1/4" x 4" x 36"	24	1
GB4N0026TPI-1	1/4" x 4" x 48"	26	1
GB4N0034TPI-1	1/4" x 4" x 60"	34	1

Order number of pieces required, in multiples of Standard Package Quantity.

Busbar 1 Inch Hole Spacings

- Provided with 1 inch hole D pattern spacing
- Made of high conductivity copper and tin-plated to inhibit corrosion
- Come pre-assembled with brackets and insulators attached for quick installation
- Insulators provide 600 V of insulation

Part Number	Bar Size	No. of Mounting Positions 3/8" Stud Hole with 1" Hole Spacing	Std. Pkg. Qty.
GB2D0008TPI-1	1/4" x 2" x 12"	8	1
GB2D0021TPI-1	1/4" x 2" x 24"	21	1
GB2D0033TPI-1	1/4" x 2" x 36"	33	1
GB2D0044TPI-1	1/4" x 2" x 48"	44	1
GB2D0056TPI-1	1/4" x 2" x 60"	56	1

Busbar Type	Busbar Pattern
BICSI	B
GB2D...series	D
NEMA	N

See pages L.16 – L.18 for Lug information.

IEEE Universal Beam Grounding Clamp

- Universal, fits on a wide range of standard (angled) and wide flange (parallel) structural steel beams
- Provide a mounting pad suitable for a two-hole compression lug
- Install quickly and easily with standard 1/4" key hex wrench tooling
- UL 467 Listed and CSA 22.2 Certified for grounding and bonding suitable for direct burial in earth or concrete
- Comply with vibration tests per MIL-STD-202G (METHOD 201A)
- For the complete line of StructuredGround® Direct Burial Compression Grounding System, refer to www.panduit.com

Part Number	Copper Conductor Size Range AWG	Flange Thickness In.	Stud Size In.	Hole Spacing In.	Thread Size	Length In.	Width In.	Height In.	Std. Pkg. Qty.
GUBC500-6	#6 – 500	0.250 – 0.675	1/2	1.75	1/2 – 13	3.15	2.13	2.50	1

LISTED CERTIFIED PATENTED

Auxiliary Cable Brackets and Jumpers

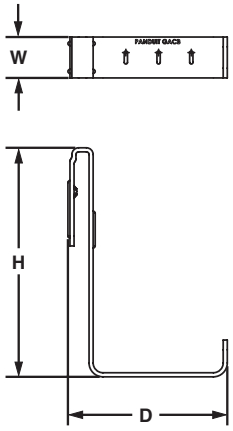
- Bonds ladder rack, wire basket and Panduit® Wyr-Grid® System sections together without drilling holes
- Supports grounding conductors in the telecommunications room, allows separation of grounding conductors from other cables
- Holds up to four conductors in sizes up to 750 kcmil
- Bonds to all 1" and 2" ladder rack rails
- Paint piercing teeth provide electrical continuity between cable pathway sections while minimizing debris
- Front and back mounting screw options allow easy installation and visual inspection
- GACB-2 and GACB-3 can be mounted above or below the cable pathway system for flexibility
- Brackets meet TIA-607-C

GACB

GACB-2

GACB-3

GACBJ618U

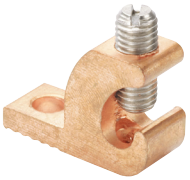


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Auxiliary Cable Brackets			
GACB-1	Auxiliary cable bracket; 1.25" (31.8mm) W, 7.00" (177.8mm) H; 4.87" (123.7mm) D; provided with one mounting screw.	1	10
GACB-2	Auxiliary cable bracket; 1.63" (41.4mm) W, 3.95" (100.3mm) H; 5.22" (132.6mm) D; provided with one mounting screw.	1	10
GACB-3	Auxiliary cable bracket; 1.88" (47.6mm) W, 4.58" (116.3mm) H; 5.29" (134.4mm) D; provided with one mounting screw.	1	10
Bonding Jumper Kits			
GACBJ68U	Auxiliary cable bracket jumper for bonding pathway sections; #6 AWG (16mm²); 8.0" (203mm) length; factory terminated on both ends with straight, two-hole, long barrel compression lugs; provided with .16 oz. (5cc) of antioxidant and four mounting screws.	1	—
GACBJ612U	Auxiliary cable bracket jumper for bonding pathway sections; #6 AWG (16mm²); 12.0" (305mm) length; factory terminated on both ends with straight, two-hole, long barrel compression lugs; provided with .16 oz. (5cc) of antioxidant and four mounting screws.	1	—
GACBJ618U	Auxiliary cable bracket jumper for bonding pathway sections; #6 AWG (16mm²); 18.0" (457mm) length; factory terminated on both ends with straight, two-hole, long barrel compression lugs; provided with .16 oz. (5cc) of antioxidant and four mounting screws.	1	—

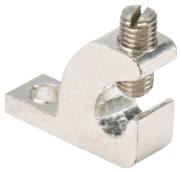
Order number of pieces required, in multiples of Standard Package Quantity.

One-Hole Grounding Lay-In Lug

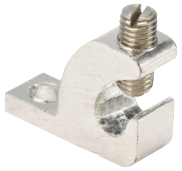
- Used for quick installation of a continuous grounding conductor
- UL 467 Listed for grounding and bonding, copper lugs UL Listed for direct burial in earth or concrete
- UL Listed for use up to 600 V and temperature rated 90°C
- Wide wire range-taking capability minimizes inventory requirements



Copper



Tin-Plated Copper



Tin-Plated Aluminum

Part Number	Set Screw Material	Conductor Size Range	Stud Hole Size In.	Hex Key Size In.	Length In.	Width In.	Height In.	Std. Pkg. Qty.
Copper Body								
LICC4-22-C	Stainless Steel	#14 AWG – #4 AWG	0.22	**	1.09	0.39	0.75	100
Tin-Plated Copper Body								
LICC4-22TP-C	Stainless Steel	#14 AWG – #4 AWG	0.22	**	1.09	0.39	0.75	100
Tin-Plated Aluminum Body								
LIAC4-22-C*	Stainless Steel	#14 AWG – #4 AWG	0.22	**	1.06	0.39	0.78	100
LIAS1/0-14-L*	Zinc Plated Steel	#14 AWG – 1/0 AWG	0.27	**	1.50	0.61	1.10	50
LIAS250-56-Q*	Zinc Plated Steel	#6 AWG – 250 kcmil	0.33	1/4	2.20	0.80	1.70	25

*Not DB Rated.
**Uses slotted head set screw.
The use of Panduit oxide inhibiting joint compound (CMP) is recommended for pad to conductor connections. Refer to www.panduit.com for more information.

LISTED CERTIFIED

Code Conductor, Two-Hole, Long Barrel with Window Lug

For Use with Stranded Copper Conductors

- Meets TIA-607-C requirements for network systems grounding applications
- Tested by Telcordia – meets NEBS Level 3 with AWG conductor
- UL Listed and CSA Certified with AWG conductor for use up to 35 kV** and temperature rated 90°C when crimped with Panduit and specified competitor crimping tools and dies
- Color-coded barrels marked with Panduit and specified competitor die index numbers for proper crimp die selection
- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Inspection window to visually assure full conductor insertion
- Tin-plated to inhibit corrosion
- Available with NEMA hole sizes and spacing

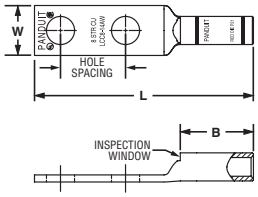


Figure 1: Straight

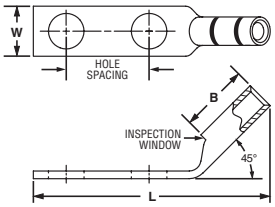


Figure 2: 45° Bent

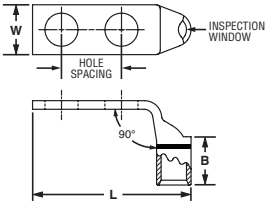


Figure 3: 90° Bent

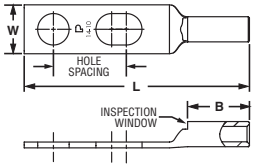


Figure 4: Slotted, Straight

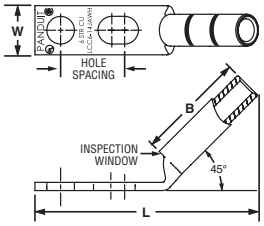


Figure 5: Slotted, 45° Bent

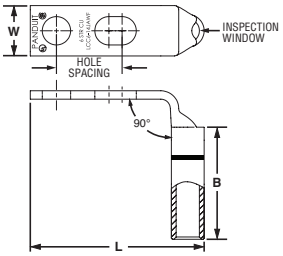


Figure 6: Slotted, 90° Bent

Part Number	Figure No.	Copper Conductor Size	Stud Hole Size In.	Stud Hole Spacing In.	Figure Dimensions In.			Panduit Crimping Tool	Panduit Die Color and Die No.	Wire Strip Length In.	Busbar Pattern^	Std. Pkg. Qty.
					W	B	L					
LCC10-14JAW-L*	4	#14 – #10 AWG STR, #12 – #10 AWG SOL	1/4	0.50 – 0.63	0.42	0.53	1.93	CT-1570, CT-1701	—	9/16	B	50
LCC10-14JAWH-L*	5		1/4	0.50 – 0.63	0.42	0.53	1.78				B	50
LCC10-14JAWF-L*	6		1/4	0.50 – 0.63	0.42	0.53	1.56				B	50
LCC10-14AW-L*	1		1/4	0.63	0.42	0.53	1.93				B	50
LCC8-10AW-L	1	#8 AWG	#10	0.63	0.41	0.70	2.01	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Red P21	3/4	B	50
LCC8-14AWH-L	2		1/4	0.63	0.48	0.70	1.91				B	50
LCC8-14AWF-L	3		1/4	0.63	0.48	0.70	1.61				B	50
LCC8-38DW-L	1		3/8	1.00	0.50	0.70	2.70				B,D	50

Refer to www.panduit.com for Panduit and competitor tool and die information.
*Not tested to NEBS Level 3 requirements.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.
^See page L.13 for busbar patterns.

Continues on next page

Order number of pieces required, in multiples of Standard Package Quantity.

Code Conductor, Two-Hole, Long Barrel with Window Lug (continued)

	Part Number	Fig. No.	Copper Conductor Size	Stud Hole Size In.	Stud Hole Spacing in.	Figure Dimensions In. W	B	L	Panduit Crimping Tool	Panduit Die Color and Die No.	Wire Strip Length In.	Busbar Pattern^	Std. Pkg. Qty.
	LCC6-10ABW-L	4	#6 AWG	#10	0.63 – 0.75	0.46	1.07	2.52	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Blue P24	1 1/8	B	50
	LCC6-14JAW-L	4		1/4	0.50 – 0.63	0.48	1.07	2.49				B	50
	LCC6-14JAWH-L	5		1/4	0.50 – 0.63	0.48	1.07	2.08				B	50
	LCC6-14JAWF-L	6		1/4	0.50 – 0.63	0.48	1.07	1.66				B	50
	LCC6-14AW-L	1		1/4	0.63	0.48	1.07	2.49				B	50
	LCC6-38DW-L	1		3/8	1.00	0.62	1.07	3.08				B, D	50
◆	LCC6-12W-L	1		1/2	1.75	0.75	1.07	3.97			1 1/8	N	50
	LCC4-14AW-L	1	#4 – #3 AWG STR, #2 AWG SOL	1/4	0.63	0.55	1.05	2.50	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Gray P29	1 1/8	B	50
	LCC4-38DW-L	1		3/8	1.00	0.62	1.05	3.09				B, D	50
◆	LCC4-12W-L	1		1/2	1.75	0.75	1.05	4.01			1 1/8	N	50
	LCC2-14AW-Q	1	#2 AWG	1/4	0.63	0.60	1.16	2.67	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Brown P33	1 1/4	B	25
	LCC2-38DW-Q	1		3/8	1.00	0.66	1.16	3.24				B, D	25
◆	LCC2-12W-Q	1		1/2	1.75	0.75	1.16	4.41				N	25
	LCC1/0-14AW-X	1	1/0 AWG	1/4	0.63	0.76	1.44	3.07	CT-930, CT-2930/L, CT-2930/LE	Pink P42	1 1/2	B	10
	LCC1/0-38DW-X	1		3/8	1.00	0.76	1.44	3.57				B, D	10
◆	LCC1/0-12W-X	1		1/2	1.75	0.80	1.44	4.74				N	10
	LCC2/0-14AW-X	1	2/0 AWG	1/4	0.63	0.85	1.50	3.23	CT-930, CT-2930/L, CT-2930/LE	Black P45	1 9/16	B	10
	LCC2/0-38DW-X	1		3/8	1.00	0.85	1.50	3.67				B, D	10
◆	LCC2/0-12W-X	1		1/2	1.75	0.85	1.50	4.83				N	10
	LCC3/0-38DW-X	1	3/0 AWG	3/8	1.00	0.96	1.50	3.70	CT-930, CT-2930/L, CT-2930/LE	Orange P50	1 9/16	B, D	10
◆	LCC3/0-12W-X	1		1/2	1.75	0.96	1.50	4.87				N	10
	LCC4/0-38DW-X	1	4/0 AWG	3/8	1.00	1.06	1.56	3.81	CT-930, CT-2930/L, CT-2930/LE	Purple P54	1 5/8	N	10
◆	LCC4/0-12W-X	1		1/2	1.75	0.96	1.56	3.81				N	10
	LCC250-38DW-X	1	250 kcmil	3/8	1.00	1.17	1.61	3.89	CT-930, CT-2930/L, CT-2930/LE	Yellow P62	1 11/16	B, D	10
◆	LCC250-12W-X	1		1/2	1.75	1.17	1.61	4.12				N	10

Refer to www.panduit.com for Panduit and competitor tool and die information.
*Not tested to NEBS Level 3 requirements.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.
^See page L.13 for busbar patterns.
◆NEMA hole sizes and spacing.

Continues on next page

Code Conductor, Two-Hole, Long Barrel with Window Lug (continued)

	Part Number	Fig. No.	Copper Conductor Size	Stud Hole Size In.	Stud Hole Spacing in.	Figure Dimensions In.			Panduit Crimping Tool	Panduit Die Color and Die No.	Wire Strip Length In.	Busbar Pattern^	Std. Pkg. Qty.
						W	B	L					
	LCC350-38DW-X	1	350 kcmil	3/8	1.00	1.28	2.24	4.58	CT-930, CT-2930/L, CT-2930/LE	Red P71	2 5/16	B, D	10
◆	LCC350-12W-X	1		1/2	1.75	1.28	2.24	5.76		Red P71		N	10
	LCC400-38DW-6	1	400 kcmil	3/8	1.00	1.39	2.30	4.66	CT-930, CT-2930/L, CT-2930/LE	Blue P76	2 3/8	B, D	6
◆	LCC400-12W-6	1		1/2	1.75	1.28	2.30	5.84		Blue P76		N	6
	LCC500-38DW-6	1	500 kcmil	3/8	1.00	1.54	2.50	4.94	CT-930, CT-2930/L, CT-2930/LE	Brown P87	2 9/16	B, D	6
◆	LCC500-12W-6	1		1/2	1.75	1.54	2.50	6.12		Brown P87		N	6
	LCC600-38DW-6	1	600 kcmil	3/8	1.00	1.70	2.69	5.18	CT-930, CT-2930/L, CT-2930/LE	Green P94	2 3/4	B, D	6
◆	LCC600-12W-6	1		1/2	1.75	1.70	2.69	6.36		Green P94		N	6
	LCC750-38DW-6	1	750 kcmil	3/8	1.00	1.89	2.88	5.71	CT-930, CT-2930/L, CT-2930/LE	Black P106	2 15/16	B, D	6
◆	LCC750-12W-6	1		1/2	1.75	1.89	2.88	6.65		Black P106		N	6

Refer to www.panduit.com for Panduit and competitor tool and die information.
*Not tested to NEBS Level 3 requirements.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.
^See page L.13 for busbar patterns.
◆NEMA hole sizes and spacing.

Order number of pieces required, in multiples of Standard Package Quantity.

LISTED CERTIFIED

Flex Conductor, Two-Hole, Long Barrel with Window Lug

For Use with Flexible, Extra-Flexible, and Code Stranded Copper Conductors

- Meets TIA-607-C requirements for network systems grounding applications
- Requires crimping tools and dies, see pages L.25 – L.27
- UL Listed and CSA Certified with AWG conductor for use up to 35 kV** and temperature rated 90°C when crimped with Panduit and specified competitor crimping tools and dies
- Color-coded barrels marked with Panduit and specified competitor die index numbers for proper crimp die selection
- Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive
- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Inspection window to visually assure full conductor insertion
- Generously beveled wire entry prevents bent back strands when inserting conductor into barrel
- Tin-plated to inhibit corrosion
- Available with NEMA hole sizes and spacing

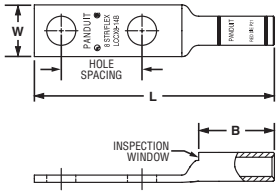


Figure 1: Straight

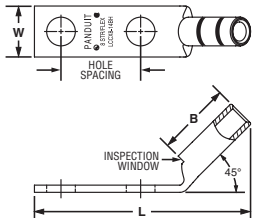


Figure 2: 45° Bent

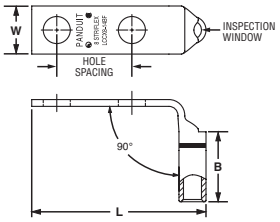


Figure 3: 90° Bent

Part Number	Fig. No.	Flex Conductor Size		Code Conductor Size	Stud Hole Size In.	Stud Hole Spacing in.	Figure Dimensions In.			Panduit Crimping Tool	Panduit Die Color and Die No.	Wire Strip Length In.	Busbar Pattern^	Std. Pkg. Qty.
		Class G, H, I, K, M	Diesel Locomotive				W	B	L					
LCCX8-14A-L	1	#8 AWG	#8 AWG	#8 AWG	1/4	0.63	0.48	0.70	2.10	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Red P21	3/4	B	50
LCCX8-14AH-L	2				1/4	0.63	0.48	0.70	1.91					50
LCCX8-14AF-L	3				1/4	0.63	0.48	0.70	1.62					50
LCCX8-38D-L	1				3/8	1.00	0.60	0.70	2.70				B, D	50
LCCX6-14A-L	1	#6 AWG	#6 AWG	#6 AWG	1/4	0.63	0.48	1.07	2.49	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Blue P24	1 1/8	B	50
LCCX6-14AH-L	2				1/4	0.63	0.48	1.07	2.18					50
LCCX6-14AF-L	3				1/4	0.63	0.48	1.07	1.66					50
LCCX6-38D-L	1				3/8	1.00	0.60	1.07	3.08				B, D	50
LCCX4-14A-L	1	#4 AWG	#5, #4, #3 AWG	#4 AWG	1/4	0.63	0.55	1.05	2.49	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Gray P29	1 1/8	B	50
LCCX4-38D-L	1				3/8	1.00	0.62	1.05	3.09				B, D	50
LCCX2-14A-E	1	#2 AWG	#2 AWG	#2 AWG	1/4	0.63	0.70	1.36	2.89	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Brown P33	1 7/16	B	20

Refer to www.panduit.com for Panduit and competitor tool and die information.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.
^See page L.13 for busbar patterns.
◆NEMA hole sizes and spacing.

Continues on next page

Flex Conductor, Two-Hole, Long Barrel with Window Lug (continued)

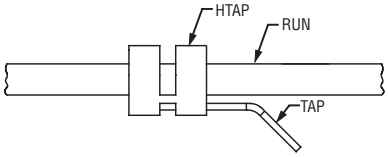
	Part Number	Fig. No.	Flex Conductor Size		Code Conductor Size	Stud Hole Size In.	Stud Hole Spacing in.	Figure Dimensions In.			Panduit Crimping Tool	Panduit Die Color and Die No.	Wire Strip Length In.	Busbar Pattern^	Std. Pkg. Qty.
			Class G, H, I, K, M	Diesel Locomotive				W	B	L					
	LCCX2-38D-E	1	#2 AWG	#2 AWG	#2 AWG	3/8	1.00	0.70	1.36	3.46	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Brown P33	1 7/16	B, D	20
◆	LCCX2-12-E	1				1/2	1.75	0.75	1.36	4.63				N	20
	LCCX1/0-14A-X	1	1/0 AWG	1/0 AWG	1/0 AWG	1/4	0.63	0.85	1.50	3.23	CT-930, CT-2930/L, CT-2930/LE	Pink P42	1 9/16	B	10
	LCCX1/0-38D-X	1				3/8	1.00	0.85	1.50	3.67				B	10
◆	LCCX1/0-12-X	1				1/2	1.75	0.85	1.50	4.83				B, D	10
	LCCX2/0-14A-X	1	2/0 AWG	2/0 AWG	2/0 AWG	1/4	0.63	0.96	1.50	3.27	CT-930, CT-2930/L, CT-2930/LE	Black P45	1 9/16	N	10
	LCCX2/0-38D-X	1				3/8	1.00	0.96	1.50	3.70				B	10
◆	LCCX2/0-12-X	1				1/2	1.75	0.96	1.50	4.87				B, D	10
	LCCX3/0-38D-X	1	3/0 AWG	3/0 AWG	3/0 AWG	3/8	1.00	1.06	1.56	3.81	CT-930, CT-2930/L, CT-2930/LE	Orange P50	1 5/8	N	10
	LCCX4/0-38D-X	1	4/0 AWG	4/0 AWG	4/0 AWG	3/8	1.00	1.19	2.24	4.55	CT-930 CT-2930/L, CT-2930/LE	Purple P54	2 5/16	B, D	10
◆	LCCX4/0-12-X	1				1/2	1.75	1.19	2.24	5.73				N	10
	LCCX250-38D-X	1	250 kcmil	262.6 kcmil	4/0 AWG	3/8	1.00	1.28	2.24	4.59	CT-930, CT-2930/L, CT-2930/LE	Yellow P62	2 5/16	B, D	10
	LCCX350-38D-6	1	350 kcmil	373.3 kcmil	—	3/8	1.00	1.54	2.50	4.95	CT-930, CT-2930/L, CT-2930/LE	Blue P76	2 9/16	B, D	6
◆	LCCX350-12-6	1	350 kcmil	373.3 kcmil	—	1/2	1.75	1.54	2.50	6.13	CT-930, CT-2930/L, CT-2930/LE	Blue P76	2 9/16	N	6
	LCCX450-38D-6	1	450 kcmil	444.4 kcmil	—	3/8	1.00	1.70	2.69	5.19	CT-930, CT-2930/L, CT-2930/LE	Brown P87	2 3/4	B, D	6
◆	LCCX450-12-6	1	450 kcmil	444.4 kcmil	—	1/2	1.75	1.70	2.69	6.37	CT-930, CT-2930/L, CT-2930/LE	Brown P87	2 3/4	N	6
	LCCX500-38D-6	1	500 kcmil	535.3 kcmil	—	3/8	1.00	1.89	2.88	5.72	CT-930, CT-2930/L, CT-2930/LE	Pink P99	2 15/16	B, D	6
◆	LCCX500-12-6	1	500 kcmil	535.3 kcmil	—	1/2	1.75	1.89	2.88	6.66	CT-930, CT-2930/L, CT-2930/LE	Pink P99	2 15/16	N	6
◆	LCCX650-12-6	1	—	646.4 kcmil	—	1/2	1.75	1.95	2.94	6.75	CT-930, CT-2930/L, CT-2930/LE	Black P106	3.00	N	6

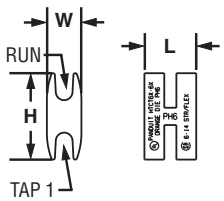
Refer to www.panduit.com for Panduit and competitor tool and die information.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.
^See page L.13 for busbar patterns.
◆NEMA hole sizes and spacing.

Order number of pieces required, in multiples of Standard Package Quantity.

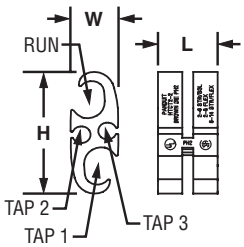
Code/Flex Conductor HTAP

- Used to tap into continuous conductors as a splice or pigtailing
- Each HTAP terminates a wide range of conductor sizes and combinations of code and flex conductors Class G, H, I and Locomotive to suit a variety of applications
- Slotted design allows quick and easy assembly of conductor to HTAP using three Panduit 94V-0 cable ties included
- Tap grooves are separated from one another allowing them to function independently so HTAP can be used with a single or multiple taps providing maximum design and installation flexibility
- Color coded and marked with Panduit die index numbers for proper crimp die selection
- Requires crimping tools and dies, see pages L.25 – L.27
- UL Listed and CSA Certified with AWG conductor for applications up to 600 V when crimped with Panduit and specified competitor crimping tools and Panduit crimping dies
- Tin plated to inhibit corrosion

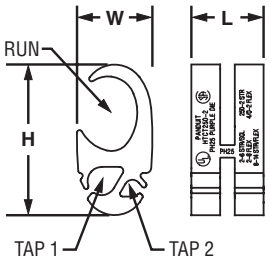




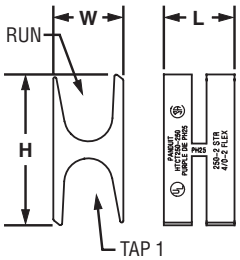
HTCT6X-6X



HTCT2-2



HTCT250-2



HTCT250-250

Part Number	Copper Conductor Size Range					Figure Dimensions In.			Panduit Crimping Tool	Panduit Die Color and Die No.	Wire Strip Length In.	Std. Pkg. Qty.
	Wire Strand Type	Run	Tap 1	Tap 2	Tap 3	L	W	H				
HTCT6X-6X-1	Code	#6 – #14 AWG	#6 – #14 AWG	—	—	0.60	0.40	1.00	CT-930, CT-2930/L, CT-2930/LE	Orange PH6	11/16	1
	Flex	#6 – #14 AWG	#6 – #14 AWG	—	—							
HTCT2-2-1	Code	#2 – #6 AWG STR/SOL	#2 – #6 AWG STR/SOL	#8 – #14 AWG	#8 – #14 AWG	0.76	0.61	1.55	CT-930, CT-2930/L, CT-2930/LE	Brown PH2	13/16	1
	Flex	#2 – #8 AWG	#2 – #8 AWG	#8 – #14 AWG	#8 – #14 AWG							
HTCT250-2-1	Code	250 kcmil – #2 AWG	#2 – #6 AWG STR/SOL	#8 – #14 AWG	—	0.92	0.96	1.92	CT-930, CT-2930/L, CT-2930/LE	Purple PH25	1	1
	Flex	4/0 – #2 AWG	#2 – #8 AWG	#8 – #14 AWG	—							
HTCT250-250-1	Code	250 kcmil – #2 AWG	250 kcmil – #2 AWG	—	—	0.90	0.89	1.92	CT-930, CT-2930/L, CT-2930/LE	Purple PH25	1	1
	Flex	4/0 – #2 AWG	4/0 – #2 AWG	—	—							

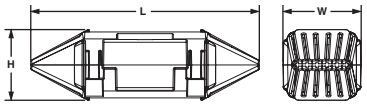
Refer to www.panduit.com for Panduit and competitor tool and die information.

Clear Covers for HTCT HTAPs

- Made of high-impact plastic to provide high-impact strength and 360° inspections of crimped connection to assure the crimp is complete and the correct die was used
- Incorporate dual self-latching spring loaded latches and supplied with two Panduit UL 94V-0 cable ties to allow for easy snap-on assembly and ensure covers are secured
- Low profile design minimizes space requirements
- Each cover half supports installation information labels inside plastic retainer strips to allow labels to be viewed on either side of cover and to protect labels from being removed
- Incorporate molded in flash barriers which encompass the HTAP installation providing protection against electrical flash over
- UL 94V-0 flame rating and oxygen index of 28 providing self-extinguishing, flame retardant properties
- Part number, voltage rating, temperature rating and HTCT part number molded into cover for easy identification
- Flexible fingers located at each end of cover prevent foreign objects from entering cover and are made from ductile plastic material that allows easy installation and will not damage conductor insulation

Part Number	Use with HTAP Part Number	Figure Dimensions			Std. Pkg. Qty.
		L	W	H	
CLRCVR1-1	HTCT6X-6X-1	4.48	1.41	1.20	1
CLRCVR2-1	HTCT2-2-1	5.10	1.66	1.40	1
CLRCVR3-1	HTCT250-2-1, HTCT250-250-1	5.35	2.16	1.40	1

Labels for clear covers are sold separately and are printed with the Panduit® PanTher™ LS8E Hand-Held Thermal Transfer Printer, see pages M.1 – M.18.



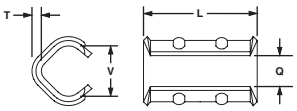
Shown Assembled

Code/Flex Conductor HTAP Kits

Part Number	Components		Std. Pkg. Qty.
	HTAP Part Number	Clear Cover Part Number	
HTWC6X-6X-1	HTCT6X-6X-1	CLRCVR1-1	1
HTWC2-2-1	HTCT2-2-1	CLRCVR2-1	1
HTWC250-2-1	HTCT250-2-1	CLRCVR3-1	1
HTWC250-250-1	HTCT250-250-1	CLRCVR3-1	1

Order number of pieces required, in multiples of Standard Package Quantity.

Code Conductor, Thin Wall, Tin-Plated, CTAPF

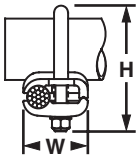


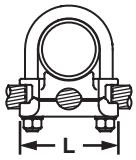
- For copper-to-copper tapping, splicing or pigtailing
- Wide wire range-taking capability minimizes inventory requirements
- Color-coded for proper crimp die selection
- Ribbed design provides high strength
- Made from high-conductivity wrought copper
- Tin-plated to inhibit corrosion and oxidation
- UL Listed and CSA Certified with AWG conductor to 600 V and temperature rated to 90°C when crimped with Panduit and specified competitor crimping tools and dies

Part Number	Copper Conductor Size		Number of Ribs	Figure Dimensions In.				Panduit Crimping Tool	Panduit Color Code	Wire Strip Length In.	Std. Pkg. Qty.
	Run AWG	Tap AWG		L	T	V	Q				
CTAPF4-12TP-C	#6 AWG	#8 – #6 AWG	1	1.82	0.07	0.40	0.28	CT-1700, CT-930, CT-2930/L, CT-2930/LE	Brown	1 5/16	100
	#5, #4 AWG	#12 – #8 AWG									
CTAPF1/0-12TP-L	#2 AWG	#4 – #2 AWG	2	1.82	0.09	0.63	0.42	CT-930, CT-2930/L, CT-2930/LE	Orange	1 7/8	50
	#1 AWG	#4 – #3 AWG									
	1/0 AWG	#12 – #4 AWG									
CTAPF2/0-12TP-Q	#1 AWG	#2 – #1 AWG	2	1.82	0.09	0.71	0.48	CT-930, CT-2930/L, CT-2930/LE	Purple	1 7/8	25
	1/0 AWG	#3 – #2 AWG									
	2/0 AWG	#12 – #3 AWG									

Refer to www.panduit.com for Panduit and competitor tool and die information.

DB RATED Grounding Clamp, U-Bolt, Bronze





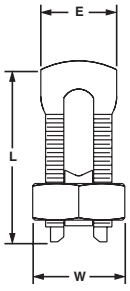
- Used to ground copper conductor parallel or at a right angle to a rod, tube, or pipe
- Made from high strength, electrolytic cast bronze
- High strength silicon bronze hardware provides long term reliable assembly
- Accommodates a wide range of pipe, tube, rod and conductor sizes – minimizes inventory
- UL Listed for grounding and bonding with AWG conductor and suitable for direct burial in earth or concrete

Part Number	Ground Rod Size In.	Iron Pipe Size In.	Conductor Size Range AWG	Figure Dimensions In.			Bolt Dia. In.	Hex Size In.	Std. Pkg. Qty.
				L	W	H			
GPL-8-Q	7/8 or 1	1/2 or 3/4	#8 SOL – #4 STR	2.38	1.38	2.63	3/8	9/16	25
GPL-14-X	—	1	#8 SOL – #4 STR	2.63	1.38	2.75	3/8	9/16	10
GPL-15-X	—	1	#4 SOL – 2/0 STR	2.63	1.38	2.75	3/8	9/16	10
GPL-16-X	—	1	2/0 SOL – 250 kcmil	2.63	1.88	3.25	3/8	9/16	10
GPL-22-X	—	1 1/4	2/0 SOL – 250 kcmil	3.00	1.88	3.50	3/8	9/16	10
GPL-28-X	—	1 1/2	2/0 SOL – 250 kcmil	3.25	1.88	4.00	3/8	9/16	10
GPL-34-3	—	2	2/0 SOL – 250 kcmil	3.75	1.88	4.25	3/8	9/16	3

Split Bolt, Copper

SBC3-C

SBCT3-C Tin-Plated



- Made from high-strength copper alloy to resist corrosion and provide premium electrical and mechanical performance
- Wire range-taking capability minimizes inventory requirements
- Nut hex provides correct fit with socket, box, or open end wrenches resulting in proper torquing of electrical connection
- Pressure bar provides secure connection on a full range of conductor combinations used with each connector assuring premium wire pull-out strength
- UL Listed and CSA Certified with AWG conductor for use up to 600 V and temperature rated 90°C
- SBCT3-C is tin-plated for bonding to galvanized wire baskets

Part Number	Copper Conductor			Figure Dimensions In.			Std. Pkg. Qty.
	Range of Equal Run and Tap AWG		Min. Tap with One Max. Run AWG				
	Min.	Max.		E	W	L	
UL Listed and CSA Certified with Copper Code Conductors							
SBC3-C	#8 STR	#4 STR	#14 STR	0.58	0.81	1.16	100
UL Listed and CSA Certified with Copper and Aluminum Code Conductors							
SBCT3-C*	#8 STR	#4 STR	#10 STR	0.58	0.81	1.24	100

*The use of Panduit oxide inhibiting joint compound (CMP-100) is recommended. Refer to www.panduit.com for more information.

Order number of pieces required, in multiples of Standard Package Quantity.

Contour Crimp™ Controlled Cycle Tool

- Controlled cycle mechanism assures high quality, consistent terminations
- Ergonomic tool design assures operator comfort, safety, and performance
- Polypropylene, elastomeric handles provide chemical resistance and a cushioned, non-slip grip

CT- 1700

Part Number	Part Description	Std. Pkg. Qty.
CT-1700	Crimps Panduit #8 — 2 AWG non-insulated tubular terminals (S series), #8 — 1 AWG copper code conductor lugs and splices, #8 — 2 AWG copper flex conductor lugs, #6 — 4 AWG dual rated aluminum lugs and splices and CTAPF10-16 to CTAPF3-12 copper taps. Includes 5-position, color coded rotating die.	1

Die Type, Manual Hydraulic, 14 Ton, Crimping Tool

- Two-stage rapid advance hydraulic system minimizes number of pumps required to complete a crimp – saves time
- Cushioned grip prevents hands from slipping on tool – reduces fatigue
- Provides UL Listed and CSA Certified connections on Panduit copper and aluminum lugs and splices and copper taps
- Open “C-Head” design allows easy loading of crimping dies and connectors, saves time
- Requires crimping dies, see page L.27
- Dies installed using spring loaded die retention pins, no need for tools
- Rubber boot on crimp head provides abrasion protection
- Audible “pop-off” valve indicates crimp completion
- Crimp head rotates 180°, provides versatility for use in restricted spaces

Part Number	Part Description	Std. Pkg. Qty.
CT-930	Terminates Panduit Compression Connectors: • Copper compression lugs and splices for #8 AWG – 750 kcmil code conductor • Copper compression lugs and splices for #8 AWG – 600 kcmil flex conductor • Copper compression lugs and splices for 10mm² – 400mm² Class 2r metric conductor • Copper compression lugs and splices for 10mm² – 300mm² Class 5f and 10mm² – 240mm² Class 6f metric conductor • StructuredGround™ Direct Burial Compression Grounding System Connectors for #6 AWG – 250 kcmil code conductor and select 500 kcmil conductor combinations • Copper compression CTAPF taps for #10 – 3/0 AWG code conductor • Copper compression CTAP taps for #8 – 4/0 AWG code conductor • Copper compression HTCT taps for #14 AWG – 250 kcmil code conductor, #14 – 4/0 AWG flex conductor • Aluminum compression lugs and splices for #6 AWG – 600 kcmil code conductor • Panduit® Pan-Term® Tubular Terminals for #8 AWG – 250 kcmil code conductor Specifications: Output: 14 tons (124.5 kN) Jaw opening: 1.65" (41.9mm) Weight: 16.5 lbs. Length: 25" Handle span: 17 1/2" (open), 6" (closed) Warranty: 1 year on tool CT-930 includes: • Tool • Plastic tool case with die storage	1

Compatible with CD-920 and CD-930 crimping dies, sold separately, see page L.27.

Die Type, Lithium-Ion Powered Hydraulic, 14 Ton, Crimping Tool

- Lithium-Ion battery powered, provides fingertip operation and up to 71.5% more crimps per battery charge than tools powered with NiCd or NiMH batteries
- Pistol grip tool design with open C-Head provides easy loading of crimping dies and rotates 180°, for reaching into tight spaces
- Provides UL Listed and CSA Certified connections on Panduit copper and aluminum lugs and splices and copper taps
- Tool provided with two 14.4 VDC High Capacity Lithium-Ion rechargeable batteries, battery charger and shoulder strap
- Batteries incorporate LED fuel gage so battery charge level can be checked to allow for continuous operation
- Approximately 9.6 second crimp cycle time provides quick terminations, 30% faster than tools using NiCd or NiMH batteries
- Battery charger charges expended batteries completely in 60 minutes
- Requires crimping dies, see page L.27
- Dies installed using spring loaded die retention pins, no need for tools
- Tool provided with heavy-duty, soft sided tool bag with 58 pockets for storing tool, batteries, charger, dies, etc.

CT-2930/L and CT-2930/LE

FREE! Heavy-Duty Soft-Sided Tool Bag Included

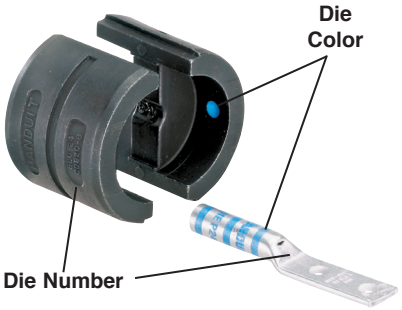
Part Number	Charger Voltage	Part Description	Std. Pkg. Qty.
CT-2930/L	120 VAC	Terminates Panduit Compression Connectors: • Copper compression lugs and splices for #8 AWG – 750 kcmil code conductor • Copper compression lugs for #8 AWG – 600 kcmil flex conductor • Copper compression S Series, Pan-Term™ Tubular Terminals for #8 AWG – 250 kcmil code conductor • Copper compression lugs and splices for 10mm² – 400mm² Class 2r conductor • Copper compression lugs and splices for 10mm² – 300mm² Class 5f conductor and 10mm² – 240mm² Class 6f conductor • StructuredGround™ Direct Burial Compression Grounding System connectors #6 AWG – 250 kcmil code conductor and select 500 kcmil conductor combinations • Copper compression CTAPF taps for #10 – 3/0 AWG code conductor • Copper compression CTAP taps for #8 – 4/0 AWG code conductor • Copper compression HTCT taps for #14 AWG – 250 kcmil code conductor, #14-4/0 AWG flex conductor • Aluminum compression lugs and splices for #6 AWG – 600 kcmil code conductor Specifications: Output: 14 tons (124.5 kN) Jaw opening: 1.65" (41.9mm) Weight: 17.90 lbs. (8.1 kg) with battery Length: 14.5" (368.3mm), Height: 16.5" (419.1mm), Width: 3.25" (82.6mm) Warranty: 1 year on tool, batteries and charger Tool includes: • Two 14.4 VDC High Capacity Lithium-Ion rechargeable batteries • One battery charger • One shoulder strap • Heavy-duty bag with storage for tool, batteries, charger, and crimping dies; includes 58 pockets and a shoulder strap for added convenience; 18"L x 7"W x 14"H	50
CT-2930/LE	230 VAC		50

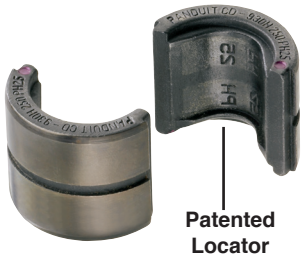
Compatible with CD-920 and CD-930 crimping dies, sold separately, see page L.27.
Tool bag also sold separately, see part number PTB-GP on www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.

CD-920 Crimping Dies

- Crimping dies and connectors are color-coded for easy matching
- Emboss die index number on connector barrels for post crimp inspection
- Part number permanently marked on crimping die for easy identification
- Provide circumferential crimp results in terminations with premium electrical and mechanical performance
- Used in Panduit crimping tools; see the CT-930 crimping tool on page L.25 and the CT-2930/L and CT-2930/LE crimping tools on page L.26





HTAP Die with Patented Locator

CD-920

CD-920H
CD-930H

Part Number	Used to Install Panduit Compression Lug and Splice Sizes Copper Code Conductor Size and Die Color and Die Number	Std. Pkg. Qty.
Single Crimp Dies		
CD-920-8	#8 AWG, Red P21	1
CD-920-6	#6 AWG, Blue P24	1
CD-920-4	#4 AWG, Gray P29	1
CD-920-2	#2 AWG, Brown P33	1
CD-920-1	#1 AWG, Green P37	1
CD-920-1/0	1/0 AWG, Pink P42	1
CD-920-2/0	2/0 AWG, Black P45	1
CD-920-3/0	3/0 AWG, Orange P50	1
CD-920-4/0	4/0 AWG, Purple P54	1
CD-920-250	250 kcmil, Yellow P62	1
CD-920-350	350 kcmil, Red P71	1
CD-920-400	400 kcmil, Blue P76	1
CD-920-500	500 kcmil, Brown P87	1
CD-920-500A	500 kcmil, Pink P99	1
CD-920-600	600 kcmil, Green P94	1
CD-920-750	750 kcmil, Black P106	1

Part Number	Used to Install Panduit HTAP Part Numbers Copper HTAP and Die Color and Die Number	Std. Pkg. Qty.
Single Crimp Dies with Patented Locator		
CD-920H-6	HTCT6X-6X-1, Orange PH6	1
CD-920H-2	HTCT2-2-1, Brown PH2	1
CD-930H-250	HTCT250-2-1, HTCT250-250-1, Purple PH25	1

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G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
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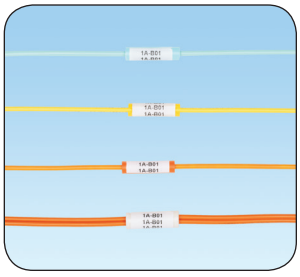
Notes

Order number of pieces required, in multiples of Standard Package Quantity.

Labeling and Identification



Panduit designs and manufactures a full line of labeling products, software, and printers to assist with ANSI/TIA/EIA-606-B compliance. Properly identifying your network allows moves, adds, changes, trouble shooting, and repairs to be accomplished faster and more efficiently to lower the cost of ownership.

- **World-class quality – ISO 9001 and ISO 14001**
- **High performance and reliability**
- **Wide variety of complete system solutions to meet the most demanding requirements**
- **Meet or exceed the requirements of UL, CSA, and ANSI/TIA-606-B**

Identification solutions are available to comply with ANSI/TIA-606-B requirements. For recommended product information and labeling solutions, refer to the following sections in this catalog: Copper Systems; Fiber Systems; Faceplates, Outlet Frames and Surface Mount Boxes; Keystone Cabling Systems; Zone Cabling; Cable Routing Systems; Surface Raceway; Cabinets, Racks and Cable Management Systems; Power Management; Grounding and Bonding; Cable Management Accessories.

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PanTher™ LS8E Hand-Held Thermal Transfer Printer and Accessories

- Cut-to-length functionality eliminates label waste and label trimming labor
- Partial cut feature available to provide tear-apart strips of labels
- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Market specific labeling tools simplify label creation for network components, panel building, and construction and maintenance
- USB interface for importing data, system upgrades, and printing from a wireless laptop or desktop computer
- Legends can be easily aligned with ports on patch panels and faceplates, eliminating the need for manual spacing and guesswork
- Prints self-laminating cable labels, continuous tapes, and die-cut labels for patch panels, faceplates, and other network applications
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Available with an innovative QWERTY keypad that allows faster text entry and label design

LS8EQ

LS8E

Part Number	Part Description	Std. Pkg. Qty.
LS8EQ-KIT-ACS	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8E-ACS adapter, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
LS8EQ-KIT	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
LS8EQ	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1
LS8E-KIT-ACS	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8E-ACS adapter, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
LS8E-KIT	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
LS8E	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1
LS8E-ACS‡	120 VAC power adapter for North America. Cannot be used to charge batteries.	1
LS8-CASE	Rigid carrying case.	1
LS8-PCKIT	Includes USB cable and PC interface software for importing data, system upgrades, or printing from a wireless laptop or desktop computer.	1
LS8-IB	Protective impact bumper.	1
LS8-WS	Wrist strap.	1
LS8-CLN	Cleaning kit.	1

‡Other adapters available, replace S with A (Australia), E (Europe), and U (UK).
Reference chart of P1™ Label Cassettes for use with the LS8E Hand-Held Printer.

Order number of pieces required, in multiples of Standard Package Quantity.

P1™ Network Component Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Use for identifying patch panels, faceplates, punchdown blocks and other network systems hardware
- Die-cut labels designed to provide maximum aesthetic quality and appearance
- Available in adhesive polyolefin and non-adhesive polyester materials

Application Description	Typical Application Page	Code
Boxes – Surface Mount, Outlet, Hybrid	D.9	BX
Faceplates	D.1	FP
GP6™ Category 6 Punchdown Blocks	B.47	GP
Jack Modules	B.15	JM

Application Description	Typical Application Page	Code
110 Punchdown Blocks	B.50	PB
Patch Panels	B.38 — B.45	PP
Racks and Cabinets	J.10	RK

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C061X030FJC	White, adhesive polyolefin label, 500/cassette, Mini-Com® 1-port identifier. Application codes: BX, FP, and PP.	0.61	15.5	0.30	7.6	1	10
C125X030FJC	White, adhesive polyolefin label, 200/cassette, Mini-Com® 2-port identifier. Application codes: BX, FP, and PP.	1.25	31.8	0.30	7.6	1	10
C138X019FJC	White, adhesive polyolefin label, 200/cassette, Mini-Com® Module identifier. Application code: JM.	1.38	35.1	0.19	4.8	1	10
C150X030Y1C	White, non-adhesive polyester label, 75/cassette, Mini-Com® 3-port identifier. Application code: FP.	1.50	38.1	0.30	7.6	1	10
C188X030FJC	White, adhesive polyolefin label, 150/cassette, Mini-Com® 3-port identifier. Application code: FP.	1.88	47.8	0.30	7.6	1	10
C195X040Y1C	White, non-adhesive polyester label, 100/cassette, single-gang faceplate. Application code: FP.	1.95	49.5	0.40	10.2	1	10
C200X100FJC	White, adhesive polyolefin label, 150/cassette , SLCT bundle marker identifier. Application codes: SL, RK.	2.00	50.8	1.00	25.4	1	10
C252X030FJC	White, adhesive polyolefin label, 125/cassette, Mini-Com® 4-port identifier. Application codes: BX, FP, and PP.	2.52	64.0	0.30	7.6	1	10
C261X030FJC	White, adhesive polyolefin label, 125/cassette, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.61	66.3	0.30	7.6	1	10
C261X035Y1C	White, non-adhesive polyester label, 75/cassette, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.61	66.3	0.35	8.9	1	10
C282X030Y1C	White, non-adhesive polyester label, 75/cassette, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.82	71.6	0.30	7.6	1	10
C288X040Y1C	White, non-adhesive polyester label, 75/cassette, double-gang faceplate. Application code: FP.	2.88	73.2	0.40	10.2	1	10
C315X030FJC	White, adhesive polyolefin label, 100/cassette, Mini-Com® 5-port identifier. Application code: FP.	3.15	80.0	0.30	7.6	1	10
C379X030FJC	White, adhesive polyolefin label, 75/cassette, Mini-Com® 6-port identifier. Application code: FP.	3.79	96.3	0.30	7.6	1	10
C390X030Y1C	White, non-adhesive polyester label, 50/cassette, Mini-Com® 6-port identifier. Application code: PP.	3.90	99.1	0.30	7.6	1	10
C750X050Y1C	White, non-adhesive polyester label, 30/cassette, 110 block identifier. Application code: PB.	7.50	190.5	0.50	12.7	1	10
C788X050Y1C	White, non-adhesive polyester label, 30/cassette, GP6™ System identifier. Application code: GP.	7.88	200.2	0.50	12.7	1	10

Order number of cassettes required by Standard Package Quantity.

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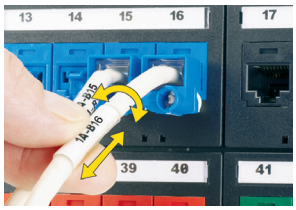
P1™ Self-Laminating Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Temperature Range: -50°F to 225°F (-45.6°C to 107°C)
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Self-laminating adhesive labels for wire/cable identification include a colored print-on area and clear overlaminate

Part Number	Part Description	Width		Length		Print-On Height		Min. Cable O.D.		Max Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
S100X075VAC	White print-on area, vinyl label for 18 – 14 AWG wires, 350/cassette.	1.00	25.4	0.75	19.1	0.25	6.4	0.08	2.0	0.16	4.0	1	10
S100X125VAC	White print-on area, vinyl label for 12 – 10 AWG wire/cable Category 3 UTP cable, 225/cassette.	1.00	25.4	1.25	31.8	0.38	9.7	0.12	3.1	0.28	7.0	1	10
S100X150VAC*	White print-on area, vinyl label for 10 - 6 AWG wire/cable Cat. 5e/6/6A UTP and Cat 5e FTP. 200 labels/cassette.	1.00	2.54	1.50	38.1	0.50	12.7	0.16	4.0	0.32	8.1	1	10
S100X225VAC*	White print-on area, vinyl label for 8 - 4 AWG wire/cable Cat. 6 FTP and Cat. 6A 10Gig. 125 labels/cassette.	1.00	2.54	2.25	57.2	0.75	19.1	0.24	6.10	0.48	12.2	1	10

*Other colors available, replace A with B (TIA Blue), D (TIA Green), H (TIA Red), and I (TIA Yellow).
Order number of cassettes required by Standard Package Quantity.
For additional label sizes and colors refer to www.panduit.com/identification.

P1 Turn-Tell® Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer



- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Innovative label design allows labels to rotate for visibility from any angle, and for repositioning on the wire/cable to align legends and improve aesthetics
- Labels can be easily installed on existing terminated wires and assemblies without disconnecting the wires/cables
- Temperature range: -40°F to 150°F (-40°C to 65.6°C)

Part Number	Width		Length		Print-On Area Height		Min. Cable O.D.		Max Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
R100X075V1C	1.00	25.4	0.75	19.1	0.25	6.4	0.12	3.1	0.16	4.1	1	10
R100X125V1C	1.00	25.4	1.25	31.8	0.38	9.7	0.16	4.1	0.22	5.6	1	10
R100X150V1C*	1.00	25.4	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	1	10
R100X225V1C*	1.00	25.4	2.25	57.2	0.75	19.1	0.28	7.1	0.39	9.9	1	10

Order number of cassettes required by Standard Package Quantity.
For complete labeling solutions refer to www.panduit.com
For the Label Selector Tool, refer to http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper
* Other colors available, replace A with B (TIA Blue), D (TIA Green), H (TIA Red), and I (TIA Yellow).

Order number of pieces required, in multiples of Standard Package Quantity.

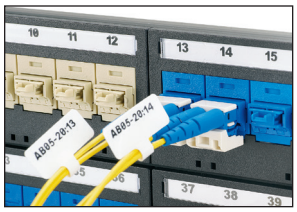
P1 Marker Plate Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Marker plates are designed for use on larger diameter wire/cables and may be applied after all terminations are complete
- Meets requirements for MIL-STD-202F, Notice 12 Method 215J
- Temperature range: -58°F to 221°F (-50°C to 105°C)

Part Number	Color	Width		Height		Print-On Area Width		Labels Per Cassette	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm			
M300X050Y6C	Yellow	3.00	76.2	0.50	12.7	1.80	45.7	50	1	10
M300X050Y7C	White	3.00	76.2	0.50	12.7	1.80	45.7	50	1	10

Order number of cassettes required by Standard Package Quantity.

P1 Flag Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer



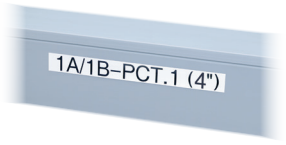
- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Provides larger labeling area for small cables
- Innovative design allows flag labels to be applied in either adhesive or non-adhesive orientations
- Temperature range: -40°F to 302°F (-40°C to 150°C)

Part Number	Color	Width		Length		Min. Wire O.D.		Max. Wire O.D.		Wire Range	Labels Per Cassette	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm				
F100X150AJC	White	1.00	25.4	1.50	38.1	0.12	3.1	0.20	5.1	12-10 AWG	200	1	10

Order number of cassettes required by Standard Package Quantity.

P1™ Continuous Tape Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printers

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Labels for general network identification
- Available in a variety of colors, widths, and adhesive materials including continuous polyolefin, polyester, and vinyl
- For flat label applications only



Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
T050X000VPC-BK	Black on white, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000VQC-BK*	Black on blue, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000VSC-BK*	Black on green, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000VUC-BK	Black on orange, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000VWC-BK*	Black on red, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000VXC-BK	Black on yellow, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000VYC-WH	White on black, vinyl tape.	0.50	12.7	25.0	7.6	1	10
T050X000YKC-BK*	Black on clear, polyester tape.	0.50	12.7	25.0	7.6	1	10
T100X000VPC-BK	Black on white, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000VQC-BK*	Black on blue, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000VSC-BK*	Black on green, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000VUC-BK	Black on orange, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000VWC-BK*	Black on red, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000VXC-BK	Black on yellow, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000VYC-WH	White on black, vinyl tape.	1.00	25.4	25.0	7.6	1	10
T100X000YKC-BK*	Black on clear, polyester tape.	1.00	25.4	25.0	7.6	1	10

*Available with white ribbon, replace BK suffix with WH.
Order number of cassettes required by Standard Package Quantity.
For complete labeling solutions, refer to www.panduit.com (please hyperlink).
For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool
and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

Order number of pieces required, in multiples of Standard Package Quantity.

Easy-Mark™ Labeling Software

- Easy-Mark™ Labeling Software simplifies label creation, selects and formats the optimum label for specific applications
- Instructions and user interface are available in English, French, German, Italian, Spanish, Korean, Japanese, Chinese, and Portuguese
- Intuitive interview process allows automatic generation of labels and signs
- WYSIWYG (What You See Is What You Get) user interface, alpha/numeric serialization, data import, symbol import
- Supports most Windows^ fonts drivers for standard thermal transfer, dot matrix, laser and ink jet, including Panduit thermal transfer printers

System Requirements:

- 64 MB hard drive space and 64 MB RAM (256 MB RAM recommended)
- Windows^ 2000, XP, Vista, 7, 8, or 10
- Mouse or compatible pointing device
- Microsoft.NET Framework 2.0 or higher
- CD-ROM Drive or USB Port

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PROG-EMCD3	Easy-Mark™ Labeling Software, CD-ROM.	1	10
PROG-EM2GO	Easy-Mark™ Labeling Software, USB Flash Drive.	1	10

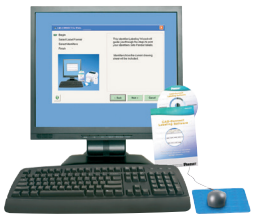
^WINDOWS is a registered trademark of Microsoft Corporation in the United States and/or other countries.

CAD-Connect™ Labeling Software

- Generates labels quickly and easily directly from electronic CAD files
- Eliminates steps and time spent manually copying CAD identifiers into labeling software
- Program combines the power of an innovative wizard interview and Easy-Mark™ Labeling Software to capture and organize identifiers from electronic CAD files to automatically create and print labels
- Compatible with full versions of AutoCAD* 2002 to 2016 and Visio^ version 2002 or newer
- Exports to alternative formats such as EXCEL^ (XLS) or Text (CSV) files for future use and documentation

System Requirements:

- 64 MB hard drive space and 64 MB RAM (256 MB RAM recommended)
- Windows^ 2000, XP, Vista, 7, 8 or 10
- Mouse or compatible pointing device
- Microsoft.NET Framework 2.0 or higher
- CD-ROM Drive



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PROG-CCCD	CAD-Connect™ Labeling Software, including Easy-Mark™ Labeling Software, CD-ROM.	1	10

*AutoCAD is a registered trademark of Autodesk, Inc.
^Visio, WINDOWS, and EXCEL are registered trademarks of Microsoft Corporation in the United States and/or other countries.

TDP43ME Thermal Transfer Desktop Printer and Accessories

- Creates durable, crisp, clear legends and graphics that offer superior legibility
- Prints durable legends for harsh industrial environments
- Fine resolution for small type characters and images
- Easy-Mark™ Labeling Software included with printer
- Up to 4 inches per second print speed
- Auto-sensing label gap and black mark sensors
- One-button operation, and automatic self test
- Connects quickly and easily to PC, and offers connectivity flexibility to print by USB, parallel, serial, or Ethernet
- Easy ribbon loading reduces printer down time
- Able to connect to a network for sharing capability
- UL60950 listed, File #E165747

Part Number	Part Description	Std. Pkg. Qty.
TDP43ME	300 dpi printer; includes printer, Panduit® Easy-Mark™ Labeling Software, RMEH4BL black hybrid ribbon, AC power adapter with US power cord, USB cable, user manual, quick start card, and driver disk; for use in North America.	1
TDP43ME/E	300 dpi printer; includes printer, Panduit® Easy-Mark™ Labeling Software, RMEH4BL black hybrid ribbon, EuroPlug cord, USB cable, user manual, quick start card, and driver disk; for use outside North America.	1
TDP43ME-KIT	TDP43ME printer kit. Includes: printer, Panduit® Easy-Mark™ Labeling Software, RMEH4BL black hybrid ribbon, AC power adapter with US power cord, USB cable, user manual, quick start card, TDP43ME-RS Roll Stand, TDP43ME-CASE, one roll of S100X150VATY labels, and driver disk; for use in North America.	1
TDP43ME/E-KIT	TDP43ME/E printer kit. Includes: printer, Panduit® Easy-Mark™ Labeling Software, RMEH4BL black hybrid ribbon, AC power adapter with EuroPlug cord, USB cable, user manual, quick start card, TDP43ME-RS Roll Stand, TDP43ME-CASE, one roll of S100X150VATY labels, and driver disk; for use outside North America.	1
TDP43ME-AC	Replacement AC power adapter with power cord (US cord only).	1
TDP43ME-CASE	Hardside carrying case accommodates printer, AC power adapter, ribbons, printer cable, external roll stand, labels, and tools.	1
TDP43ME-CUTTER	Optional power/automatic cutter for TDP43ME thermal transfer desktop printer; easy to install for automatic cutting of labels.	1
TDP43ME-RS	External label roll stand for TDP43ME printer; used to rear feed labels that are supplied on 3" cores.	1
TDP43ME-SPINDLE	Replacement ribbon spindle for TDP43ME Thermal Transfer Desktop Printer, Package of two spools.	1
PTR-CLN	Printer cleaning kit – contains bottle of cleaning solution with MSDS, cleaning pen, swabs, alcohol wipes, and cleaning instructions.	1

Order number of pieces required, in multiples of Standard Package Quantity.

Ribbons for Use with the TDP43ME Thermal Transfer Desktop Printer

- Ribbons load easily into the TDP43ME printer

Part Number	Part Description	Width		Length		Std. Pkg. Qty.
		In.	mm	Ft.	m	
RMEH4BL*	Black hybrid thermal transfer ribbon. Use with heat shrink, self-laminating, Turn-Tell® Labels, tan polyimide, and vinyl cloth.	4.25	108.0	300.0	91.4	1
RMER4BL*	Black resin thermal transfer ribbon. Use with polyester and white polyimide labels, continuous vinyl tape, marker plates, and raised panel labels.	4.25	108.0	300.0	91.4	1
RMER4BU	Blue resin thermal transfer ribbon. Use with polyester and white polyimide labels, continuous vinyl tape, marker plates, and raised panel labels.	4.25	108.0	300.0	91.4	1
RMER4GR	Green resin thermal transfer ribbon. Use with polyester and white polyimide labels, continuous vinyl tape, marker plates, and raised panel labels.	4.25	108.0	300.0	91.4	1
RMER4RD	Red resin thermal transfer ribbon. Use with polyester and white polyimide labels, continuous vinyl tape, marker plates, and raised panel labels.	4.25	108.0	300.0	91.4	1
RMER4WH*	White resin thermal transfer ribbon. Use with polyester labels, continuous vinyl tape, marker plates, and raised panel labels.	4.25	108.0	300.0	91.4	1

Order number of ribbons required in multiples of Standard Package Quantity.
*For 2.5" wide ribbons, replace 4 in part number with 2. For example, the part number of a 2.5" wide black hybrid thermal transfer ribbon is RMEH2BL.

Thermal Transfer Component Labels

- Use for identifying patch panels, faceplates, punchdown blocks and other network systems hardware
- Die-cut labels designed to provide maximum aesthetic quality and appearance
- Available in adhesive polyester and non-adhesive polyester materials
- Use with Panduit® thermal transfer resin ribbons

Application Description	Typical Application Page	Code
Boxes – Surface Mount, Outlet, Hybrid	**D.9**	**BX**
Faceplates	**D.1**	**FP**
GP6™ Category 6 Punchdown Blocks	**B.47**	**GP**
Jack Modules	**B.15**	**JM**

Application Description	Typical Application Page	Code
110 Punchdown Blocks	**B.50**	**PB**
Patch Panels	**B.38 — B.45**	**PP**
Racks and Cabinets	**J.10**	**RK**

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C061X030YPT	White, adhesive polyester label, Mini-Com® 1-port identifier. Application codes: BX, FP, and PP.	0.61	15.5	0.30	7.6	2500	10000
C125X030YPT	White, adhesive polyester label, Mini-Com® 2-port identifier. Application codes: BX, FP, and PP.	1.25	31.8	0.30	7.6	2500	10000
C138X019YPT	White, adhesive polyester label, Mini-Com® module identifier. Application code: JM.	1.38	35.1	0.19	4.8	2500	10000
C150X030Y1T	White, non-adhesive polyester label, Mini-Com® 3-port identifier. Application code: FP.	1.50	38.1	0.30	7.6	1000	5000

*Label is perforated to be used in 1, 2, 3, or 4-position applications.
Order number of pieces required in multiples of Standard Package Quantity.
Labels roll mounted on 3.00" cores; when using the TDP43ME printer and 3.00" cores, the roll stand (TDP43ME-RS) is required.
For complete labeling solutions, refer to www.panduit.com.
For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

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Thermal Transfer Component Labels (continued)

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C188X030YPT	White, adhesive polyester label, Mini-Com® 3-port identifier. Application code: FP.	1.88	47.8	0.30	7.6	2500	10000
C195X040Y1T	White, non-adhesive polyester label, single gang faceplate. Application code: FP.	1.95	49.5	0.40	10.2	1000	5000
C200X100YPT	White, adhesive polyester label, SLCT bundle marker identifier. Application code: SL and RK.	2.00	50.8	1.00	25.4	2500	10000
C252X030YPT	White, adhesive polyester label, Mini-Com® 4-port identifier. Application codes: BX, FP, and PP.	2.52	64.0	0.30	7.6	2500	10000
C252X030YPT-P*	White, adhesive polyester label, Mini-Com® perforated port identifier. Application codes: BX, FP, and PP.	2.52	64.0	0.30	7.6	2500	10000
C261X030YPT	White, adhesive polyester label, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.61	66.3	0.30	7.6	2500	10000
C261X035Y1T	White, non-adhesive polyester label, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.61	66.3	0.35	8.9	1000	5000
C275X125YPT	White, adhesive polyester label, general identifier. Application code: RK.	2.75	69.9	1.25	31.8	2500	10000
C288X030YPT	White, adhesive polyester label, double gang faceplate identifier. Application code: FP.	2.88	73.2	0.30	7.6	2500	10000
C288X040Y1T	White, non-adhesive polyester label, Mini-Com® double-gang faceplate. Application code: FP.	2.88	73.2	0.40	10.2	1000	5000
C315X030YPT	White, adhesive polyester label, Mini-Com® 6-port identifier. Application code: FP.	3.15	80.0	0.30	7.6	2500	10000
C379X030YPT	White, adhesive polyester label, Mini-Com® 6-port identifier. Application code: FP.	3.79	96.3	0.30	7.6	2500	10000
C379X030YPT-P*	White, adhesive polyester label, Mini-Com® perforated port identifier. Application codes: BX, FP, and PP.	3.79	96.3	0.30	7.6	2500	10000
C390X030Y1T	White, non-adhesive polyester label, Mini-Com® 6-port identifier. Application code: PP.	3.90	99.1	0.30	7.6	1000	5000
C750X050Y1T	White, non-adhesive polyester label, 110 block identifier. Application code: PB.	7.50	190.5	0.50	12.7	1000	5000
C788X050Y1T	White, non-adhesive polyester label, GP6™ Plus Punchdown System identifier. Application code: GP.	7.88	200.2	0.50	12.7	1000	5000

*Label is perforated to be used in 1, 2, 3, or 4-position applications.
Order number of pieces required in multiples of Standard Package Quantity.
Labels roll mounted on 3.00" cores; when using the TDP43ME printer and 3.00" cores, the roll stand (TDP43ME-RS) is required.
For complete labeling solutions refer to www.panduit.com.
For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

Thermal Transfer Raised Panel Labels

- Raised thermal transfer printable surface with high-tack adhesive for strong holding power
- Variety of sizes and colors for a wide range of applications
- Thermal transfer print technology provides crisp, clear, and durable text
- Use with Panduit® thermal transfer resin ribbons
- Temperature range: -40°F to 212°F (-40°C to 100°C)

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C252X030APT	White, raised panel component label; for use on patch panels and faceplates.	2.52	64.0	0.30	7.6	500	2000
C252X030A0T	Black, raised panel component label; for use on patch panels and faceplates.	2.52	64.0	0.30	7.6	500	2000
C379X030APT	White, raised panel component label; for use on patch panels and faceplates.	3.79	96.3	0.30	7.6	500	2000
C379X030A0T	Black, raised panel component label; for use on patch panels and faceplates.	3.79	96.3	0.30	7.6	500	2000

Order number of labels required in multiples of Standard Package Quantity.
For complete labeling solutions, refer to www.panduit.com.
For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

Order number of pieces required, in multiples of Standard Package Quantity.

Thermal Transfer Self-Laminating Labels

- Self-laminating labels supplied on rolls, include a colored print-on area and clear overlaminate to protect the legend for clear and durable identification
- Use with Panduit® Thermal Transfer Hybrid Ribbons
- Temperature Range: -40°F to 150°F (-40°C to 66°C)

Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable O.D.		Max Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
S100X075VATY*	White print-on area, vinyl label for 18 – 14 AWG and Cat. 6 28 AWG wires.	1.00	25.4	0.75	19.1	0.25	6.4	0.08	2.0	0.16	4.0	5000	10000
S100X125VATY*	White print-on area, vinyl label for 12 – 10 AWG wires, Cat. 3 UTP cable.	1.00	25.4	1.25	31.8	0.38	9.7	0.12	3.1	0.28	7.0	5000	10000
S100X150VATY*+	White print-on area, vinyl label for Cat. 5e/Cat. 6/Cat. 6A UTP/Cat. 5e FTP cable.	1.00	25.4	1.50	38.1	0.50	12.7	0.16	4.0	0.32	8.1	5000	10000
S100X225VATY*	White print-on area, vinyl label for 8 – 4 AWG wires, Cat. 6A UTP, FTP/Cat. 6 FTP cable.	1.00	25.4	2.25	57.2	0.75	19.1	0.24	6.1	0.48	12.1	5000	20000
S100X400VATY*	White print-on area, vinyl label for 2 – 1 AWG wires.	1.00	25.4	4.00	101.6	1.00	25.4	0.32	8.1	0.95	24.1	2500	12500
S100X650VATY*	White print-on area, vinyl label for 1/0 – 250 MCM wires.	1.00	25.4	6.50	165.1	1.50	38.1	0.48	12.1	1.59	40.4	1000	2000
S150X150VATY	White print-on area, vinyl label for Cat. 5e/Cat. 6/Cat. 6A UTP/Cat. 5e FTP cable.	1.50	38.1	1.50	38.1	0.50	12.7	0.16	4.0	0.32	8.1	5000	20000
S150X225VATY	White print-on area, vinyl label for 8 – 4 AWG wires, Cat. 6A UTP, FTP/Cat. 6 FTP cable.	1.50	38.1	2.25	57.2	0.75	19.1	0.24	6.1	0.48	12.1	5000	20000
S150X400VATY	White print-on area, vinyl label for 2 – 1 AWG wires.	1.50	38.1	4.00	101.6	1.00	25.4	0.32	8.1	0.95	24.1	2500	10000
S200X150VATY	White print-on area, vinyl label for Cat. 5e/Cat. 6/Cat. 6A UTP/Cat. 5e FTP cable.	2.00	50.8	1.50	38.1	0.50	12.7	0.16	4.0	0.32	8.1	5000	20000
S200X225VATY*	White print-on area, vinyl label for 8 – 4 AWG wire, for Cat. 6A UTP, FTP/Cat. 6 FTP cable.	2.00	50.8	2.25	57.2	0.75	19.1	0.24	6.1	0.48	12.1	1000	4000
S200X400VATY*	White print-on area, vinyl label for 2 – 1 AWG wires.	2.00	50.8	4.00	101.6	1.00	25.4	0.32	8.1	0.95	24.1	1000	3000
S200X650VATY*	White print-on area, vinyl label for 1/0 – 250 MCM wires.	2.00	50.8	6.50	165.1	1.50	38.1	0.48	12.1	1.59	40.4	1000	2000

Order number of labels required in multiples of Standard Package Quantity.

Labels are roll mounted on 3.00" cores; when using the TDP43ME printer and 3.00" cores, the roll stand (TDP43ME-RS) is required.

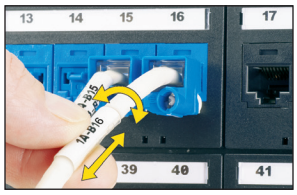
*For labels mounted on 1.00" cores, replace suffix TY with 1Y.

+ Other colors available, change VATY ending to: VBTY (TIA Blue), VCTY (TIA Brown), VDTY (TIA Green), VETY (TIA Gray), VFTY (TIA Orange), VGTY (TIA Purple), VHTY (TIA Red), VITY (TIA Yellow), V0TY (Black), V9TY (Gold).

For complete labeling solutions refer to www.panduit.com.

For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

Thermal Transfer Turn-Tell® Labels



- Innovative label design allows labels to rotate for visibility from any angle, and for repositioning on the wire/cable to align legends and improve aesthetics
- Labels can be easily installed on existing terminated wires and assemblies without disconnecting the wires/cables
- Available in P1™ Label Cassetts for the LS8E or LS8EQ printers and in computer printable rolls, for use with Easy-Mark™ Labeling Software and desktop thermal transfer printers
- Temperature range: -40°F to 150°F (-40°C to 65.6°C)

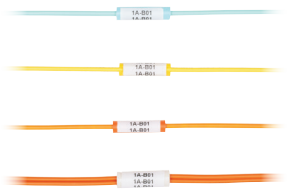
Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable O.D.		Max Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
R100X075V1T	Thermal Transfer, Vinyl, 1.00" W x 0.75" H, 0.25" POA, Clear/White, 3" Core, 18 – 14 AWG and Cat. 6 28 AWG wire/cable.	1.00	2.54	0.75	19.1	0.25	6.4	0.12	3.1	0.16	4.1	2500	10000
R100X125V1T	Thermal Transfer, Vinyl, 1.00" W x 1.25" H, 0.38" POA, Clear/White, 3" Core, 12 – 10 AWG wire/cable, Cat. 3 UTP cable.	1.00	2.54	1.25	31.8	0.38	9.7	0.16	4.1	0.22	5.6	2500	10000
R100X150V1T*	Thermal Transfer, Vinyl, 1.00" W x 1.50" H, 0.50" POA, Clear/White, 3" Core, Cat. 5e/6/6A UTP/Cat. 5e FTP cable.	1.00	2.54	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	2500	10000
R100X225V1T*	Thermal Transfer Vinyl, 1.00" W x 2.25" H, 0.75" POA, Clear/White, 3" Core, 8 – 4 AWG wire/cable, Cat. 6A UTP, FTP/Cat. 6 FTP cable.	1.00	2.54	2.25	57.2	0.75	19.1	0.28	7.1	0.39	9.9	2500	10000
R100X400V1T	Thermal Transfer, Vinyl, 1.00" W x 4.00" H, 1.00" POA, Clear/White, 3" Core, 2 AWG – 250 MCM wire/cable.	1.00	25.4	4.00	101.6	1.00	25.4	0.39	9.9	0.95	24.1	1000	4000
R200X150V1T	Thermal Transfer, Vinyl, 2.00" W x 1.50" H, 0.50" POA, Clear/White, 3" Core, Cat. 5e/6/6A UTP/Cat. 5e FTP cable. 5/5e/6 cable.	2.00	50.8	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	1000	4000
R200X225V1T	Thermal Transfer, Vinyl, 2.00" W x 2.25" H, 0.75" POA, Clear/White, 3" Core, 8 – 4 AWG wire/cable, Cat. 6A UTP, FTP/Cat. 6 FTP cable.	2.00	50.8	2.25	57.2	0.75	1.91	0.28	7.1	0.39	9.9	1000	4000
R200X400V1T	Thermal Transfer, Vinyl, 2.00" W x 4.00" H, 1.00" POA, Clear/White, 3" Core, 2 AWG – 250 MCM wire/cable.	2.00	50.8	4.00	101.6	1.00	25.4	0.39	9.9	0.95	24.1	1000	4000

Order number of labels required in multiples of Standard Package Quantity.
*Other colors available, change V1T ending to: V2T (TIA Blue), V3T (TIA Green), V4T (TIA Gray), V7T (TIA Red), V8T (TIA Yellow).
For complete labeling solutions, refer to www.panduit.com.
For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

Order number of pieces required, in multiples of Standard Package Quantity.

LabelCore™ Fiber Optic Cable Identification System

- Provides a larger surface on small fiber cables and allows legends to be clearly seen
- Sleeves are made of flexible PVC material
- Locate sleeve on straight section of cable at least 2 inches from fiber boot



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NWSLC-2Y	Yellow cable identification sleeve for 2mm simplex fiber cable, 1" long: S100X160YAJ or S100X150YAJ (Laser/Inkjet), S100X160VAC or S100X150VAC (LS8E Hand-Held Printer), S100X150VA1Y or S100X150VATY (Thermal Transfer Printer).	100	1000
NWSLC-2Y-AQ	Aqua cable identification sleeve for 2mm simplex cable, 1" long: S100X160YAJ or S100X150YAJ (Laser/Inkjet); S100X160VAC or S100X150VAC (LS8E Hand-Held Printer); S100X150VA1Y or S100X150VATY (Thermal Transfer Printer).	100	1000
NWSLC-3Y	Orange cable identification sleeve for 3mm simplex cable, 1" inch long: S100X160YAJ or S100X150YAJ (Laser/Inkjet); S100X160VAC or S100X150VAC (LS8E Hand-Held Printer); S100X150VA1Y or S100X150VATY (Thermal Transfer Printer).	100	1000
NWSLC-7Y	White cable identification sleeve for 3mm duplex fiber cable, 1" long: S100X225YAJ (Laser/Inkjet); S100X225VAC (LS8E Hand-Held Printer); S100X225VA1Y or S100X225VATY (Thermal Transfer Printer).	100	1000
NWSLC2-2Y	Yellow cable identification sleeve for 2mm simplex cable, 2" long: S200X150YAJ (Laser/Inkjet) or S200X150VATY (Thermal Transfer Printer).	100	1000
NWSLC2-2Y-AQ	Aqua cable identification sleeve for 2mm simplex cable, 2" long, use with labels: S200X150YAJ (Laser/Inkjet) or S200X150VATY (Thermal Transfer Printer).	100	1000
NWSLC2-3Y	Orange cable identification sleeve for 3mm simplex cable, 2" long, use with labels: S200X150YAJ (Laser/Inkjet) or S200X150VATY (Thermal Transfer Printer).	100	1000
NWSLC2-7Y	White cable identification sleeve for 3mm duplex fiber cable, 2" long, use with labels: S200X225YAJ (Laser/Inkjet); S200X225VATY (Thermal Transfer Printer).	100	1000

Order number of labels required in multiples of Standard Package Quantity.
For complete labeling solutions, refer to www.panduit.com.
For the Label Selector Tool refer to www.panduit.com/LabelSelectorTool and add this link: http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper

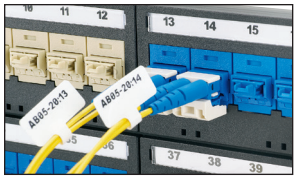
Thermal Transfer Marker Plates

- Non-adhesive marker plates offer crisp, clear legends with superior legibility
- Attachable in a horizontal or vertical orientation
- Available in a variety of colors and sizes
- Use with Panduit® RMER4BL resin thermal transfer ribbon, found on M.9
- Temperature range: -58°F to 221°F (-50°C to 105°C)

Part Number	Color (Code)							Width In. (mm)	Height In. (mm)	Print-On Area In. (mm)	Labels Per Roll	Std. Pkg. Qty.
	Yellow	White	Blue	Green	Gray	Orange	Red					
M200X050*	Y6T	Y7T	ACT	AET	AFT	AGT	AIT	2.00 (50.8)	0.50 (12.7)	1.07 (27.2)	500	1 Roll
M200X100*	Y6T	Y7T	ACT	AET	AFT	AGT	AIT	2.00 (50.8)	1.00 (25.4)	0.80 (20.3)	500	1 Roll
M300X050*	Y6T	Y7T	ACT	AET	AFT	AGT	AIT	3.00 (76.2)	0.50 (12.7)	1.80.0 (52.6)	500	1 Roll
M300X100*	Y6T	Y7T	ACT	AET	AFT	AGT	AIT	3.00 (76.2)	1.00 (25.4)	1.80 (45.7)	500	1 Roll

Replace the asterisk in part numbers above with the desired color code.
Order number of labels required in multiples of Standard Package Quantity.

Thermal Transfer Flag Labels



- Improved legibility and more information on small wires and cables provide clearer, more complete identification
- Innovative design allows the product to be applied as a permanent adhesive label or as a repositionable non-adhesive label
- Use with Panduit® RMER4BL resin thermal transfer ribbon, found on M.9
- Temperature range: -40°F to 302°F (-40°C to 150°C)

Part Number	Color	Width		Height		Min. Cable O.D.		Max Cable O.D.		Wire Range	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm			
F100X150AJT	White	1.00	25.4	1.50	38.1	0.12	3.1	0.20	5.1	12 – 10 AWG	2500	10000
F100X213AJT	White	1.00	25.4	2.13	54.1	0.32	8.1	0.38	9.7	3 – 2 AWG	2500	10000
F100X300AJT	White	1.00	25.4	3.00	76.2	0.90	2.3	0.28	7.1	18 – 6 AWG	2500	10000
F100X363AJT	White	1.00	25.4	3.63	92.2	0.20	5.1	0.46	11.7	8 – 1 AWG	2500	10000

Order number of labels required in multiples of Standard Package Quantity.

Order number of pieces required, in multiples of Standard Package Quantity.

Laser/Ink Jet Component Labels

- Labels can be printed in both laser and ink jet printers
- Use for identifying patch panels, faceplates, punchdown blocks and other network systems hardware
- Die-cut labels designed to provide maximum aesthetic quality and appearance
- Available in adhesive polyolefin and non-adhesive polyester materials

Application Description	Typical Application Page	Code
Boxes – Surface Mount, Outlet, Hybrid	D.9	BX
Faceplates	D.1	FP
GP6™ Category 6 Punchdown Blocks	B.47	GP
Jack Modules	B.15	JM

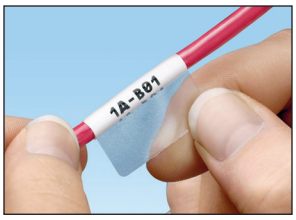
Application Description	Typical Application Page	Code
110 Punchdown Blocks	B.50	PB
Patch Panels	B.38 — B.45	PP
Racks and Cabinets	J.10	RK

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C061X030FJJ	White, adhesive polyolefin label, Mini-Com® 1-port identifier. Application codes: BX, FP, and PP.	0.61	15.5	0.30	7.6	5000	25000
C125X030FJJ	White, adhesive polyolefin label, Mini-Com® 2-port identifier. Application codes: BX, FP, and PP.	1.25	31.8	0.30	7.6	2500	12500
C138X019FJJ	White, adhesive polyolefin label, Mini-Com® module identifier. Application code: JM.	1.38	35.1	0.19	4.8	2500	12500
C150X030Y1J	White, non-adhesive polyester label, Mini-Com® 3-port identifier. Application code: FP.	1.50	38.1	0.30	7.6	1000	5000
C188X030FJJ	White, adhesive polyolefin label, Mini-Com® 3-port identifier. Application code: FP.	1.88	47.8	0.30	7.6	1000	5000
C195X040Y1J	White, non-adhesive polyester label, single-gang faceplate. Application code: FP.	1.95	49.5	0.40	10.2	1000	5000
C200X100FJJ	White, adhesive polyolefin label, SLCT bundle marker identifier. Application codes: SL and RK.	2.00	50.8	1.00	25.4	1000	5000
C252X030FJJ	White, adhesive polyolefin label, Mini-Com® 4-port identifier. Application codes: BX, FP, and PP.	2.52	64.0	0.30	7.6	1000	5000
C252X030FRJ	Brown, non-adhesive polyester label, Mini-Com® 4-port identifier. Application codes: BX, FP, and PP.	2.52	64.0	0.30	7.6	1000	5000
C252X030FTJ	Gray, non-adhesive polyester label, Mini-Com® 4-port identifier. Application codes: BX, FP, and PP.	2.52	64.0	0.30	7.6	1000	5000
C261X030FJJ	White, adhesive polyolefin label, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.61	66.3	0.30	7.6	1000	5000
C261X035Y1J	White, non-adhesive polyester label, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.61	66.3	0.35	8.9	1000	5000
C282X030Y1J	White, non-adhesive polyester label, Mini-Com® 4-port identifier. Application codes: FP and PP.	2.82	71.6	0.30	7.6	1000	5000
C288X040Y1J	White, non-adhesive polyester label, double-gang faceplate. Application code: FP.	2.88	73.2	0.40	10.2	1000	5000
C315X030FJJ	White, adhesive polyolefin label, Mini-Com® 5-port identifier. Application code: FP.	3.15	80.0	0.30	7.6	1000	5000
C379X030FJJ	White, adhesive polyolefin label, Mini-Com® 6-port identifier. Application code: FP.	3.79	96.3	0.30	7.6	1000	5000
C390X030Y1J	White, non-adhesive polyester label, Mini-Com® 6-port identifier. Application code: PP.	3.90	99.1	0.30	7.6	1000	5000
C750X050Y1J	White, non-adhesive polyester label, 110 block identifier. Application code: PB.	7.50	190.5	0.50	12.7	500	2500
C788X050Y1J	White, non-adhesive polyester label, GP6™ System identifier. Application code: GP.	7.88	200.2	0.50	12.7	500	2500

Order number of labels required in multiples of Standard Package Quantity.

A. About Panduit
B. Copper Systems
C. Fiber Systems
D. Faceplates, Outlet Frames & Surface Mount Boxes
E. Keystone Cabling Systems
F. Zone Cabling
G. Cable Routing Systems
H. Surface Raceway
J. Cabinets, Racks & Cable Management Systems
K. Power Management
L. Grounding & Bonding
M. Identification Products
N. Cable Management Accessories
O. Part Number Index

Laser/Ink Jet Self-Laminating Labels



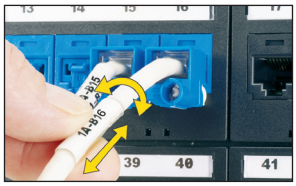
- Labels can be printed in both laser and ink jet printers
- Self-laminating adhesive labels include a colored print-on area and clear overlaminate
- Temperature range: -65°F to 225°F (-54°C to 107°C)

Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable O.D.		Max. Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
S100X075YAJ	White print-on area, polyester label for 18 - 14 AWG and Cat. 6 28 AWG wire.	1.00	25.4	0.75	19.1	0.25	6.4	0.08	2.0	0.16	4.1	2500	10000
S100X125YAJ	White print-on area, polyester label for 12 – 10 AWG wire, Cat. 3 UTP cable.	1.00	25.4	1.25	31.8	0.38	9.7	0.12	3.1	0.28	7.0	2500	10000
S100X150YAJ*	White print-on area, polyester label for Cat. 5e/Cat. 6/Cat. 6A UTP/ Cat. 5e FTP cable.	1.00	25.4	1.50	38.1	0.50	12.7	0.16	4.1	0.32	8.1	2500	10000
S100X160YAJ	White print-on area, polyester label. For use with LabelCore™ Sleeves NWSLC-2Y and NWSLC-3Y.	1.00	25.4	1.60	40.6	0.80	20.3	0.25	6.4	0.25	6.4	2500	10000
S100X220YAJ	White print-on area,polyester label. For use with LabelCore™ Sleeves NWSLC-7Y.	1.00	25.4	2.20	55.9	1.10	27.9	0.35	8.9	0.35	8.9	1000	5000
S100X225YAJ*	White print-on area, polyester label for 8 – 4 AWG wire, Cat. 6A UTP, FTP/Cat. 6 FTP cable.	1.00	25.4	2.25	57.2	0.75	19.1	0.24	6.1	0.48	12.1	1000	5000
S100X400YAJ	White print-on area, polyester label for 2 – 1 AWG wire.	1.00	25.4	4.00	101.6	1.00	25.4	0.32	8.1	0.95	24.3	1000	5000
S100X650YAJ	White print-on area, polyester label for 1/0 – 350 MCM wire.	1.00	25.4	6.50	165.1	1.50	38.1	0.48	12.1	1.59	40.4	1000	5000

Order number of labels required in multiples of Standard Package Quantity.
For additional label sizes and colors refer to http://www.panduit.com/wcs/Satellite?q=label+selector+tool&c=Page&childpagename=Panduit_Global%2FPage%2FSearch_Layout&cid=1345565623132&packedargs=locale%3Den_us&pagename=Search_Wrapper
+Other colors available, change YAJ ending to: YBJ (TIA Blue), YCJ (TIA Brown), YDJ (TIA Green), YEJ (TIA Gray), YFJ (TIA Orange), YGJ (TIA Purple), YHJ (TIA Red), YIJ (TIA Yellow).

Order number of pieces required, in multiples of Standard Package Quantity.

Laser Ink Jet Turn-Tell® Labels

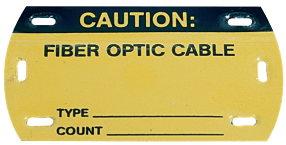


- Labels rotate and slide along cables after installation for visibility from any angle, and allow repositioning on the wire/cable to align legends for improved aesthetics
- Ideal for use in high-density or space-constrained cable applications
- Eliminate the need to disconnect wire or replace label in the event of re-termination
- Temperature range: -0°F to 275°F (-18°C to 135°C)

Part Number	Print-On Area Color	Width		Length		Print-On Area Height		Min. Cable O.D.		Max. Cable O.D.		Wire/Cable Size Range	Labels Per Row	Labels Per Sheet	Std. Pkg. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm				
R050X075X1J	White	0.50	12.7	0.75	19.1	0.25	6.4	0.12	3.1	0.16	4.1	18 – 14 AWG and Cat. 6 28 AWG	12	84	5000
R050X125X1J	White	0.50	12.7	1.25	31.8	0.38	9.7	0.16	4.1	0.22	5.6	Cat. 3 UTP/12 – 10 AWG	12	60	5000
R050X150X1J	White	0.50	12.5	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	Cat. 5e UTP/Cat. 6 UTP/ Cat. 6A UTP/CAT. 5e FTP/10 – 6 AWG	12	48	2500
R100X075X1J	White	1.00	25.4	0.75	19.1	0.25	6.4	0.12	3.1	0.16	4.1	18 – 14 AWG and Cat 6. 28 AWG	6	42	2500
R100X125X1J	White	1.00	25.4	1.25	31.8	0.38	9.7	0.16	4.1	0.22	5.6	Cat. 3 UTP/12 – 10 AWG	6	30	2500
R100X150X1J	White	1.00	25.4	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	Cat. 5e UTP/Cat. 6 UTP/ Cat. 6A UTP/Cat. 5e FTP/10 – 6 AWG	6	24	1000
R100X225X1J	White	1.00	25.4	2.25	57.2	0.75	19.1	0.28	7.1	0.39	9.9	Cat. 6 FTP/Cat. 6A UTP/ Cat. 6A FTP/8 – 4 AWG	6	18	1000
R100X400X1J	White	1.00	25.4	4.00	101.6	1.00	25.4	0.39	9.9	0.95	24.1	2 – 1 AWG	6	12	1000
R150X150X1J	White	1.50	38.1	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	Cat. 5e UTP/Cat. 6 UTP/ Cat. 6A UTP/CAT. 5e FTP/10 – 6 AWG	4	16	1000
R200X150X1J	White	2.00	50.8	1.50	38.1	0.50	12.7	0.22	5.56	0.28	7.1	Cat. 5e UTP/Cat. 6 UTP/ Cat. 6A UTP/Cat. 5e FTP/10 – 6 AWG	3	12	1000
R200X225X1J	White	2.00	50.8	2.25	57.2	0.75	19.1	0.28	7.1	0.39	9.9	Cat. 6 FTP/Cat. 6A UTP/ Cat. 6A FTP/8 – 4 AWG	3	9	500
R200X400X1J	White	2.00	50.8	4.00	101.6	1.00	25.4	0.39	9.9	0.95	24.1	2 – 1 AWG	3	6	500

Order number of labels required in multiples of Labels per Package.
*Other colors available, change X1J ending to: X2J (TIA Blue), X3J (TIA Green), X7J (TIA Red), X8J (TIA Yellow).

Self-Laminating Fiber Optic Cable Marker Tags



Material Chart

Material	Print Method	Temperature Range	Features
Rigid Vinyl, Self-Laminating	Pre-Printed	50°F to 200°F (-45.6°C to 93.3°C)	Indoor/outdoor rated; high quality, rugged material resistant to abrasion; legend is protected by overlaminate; use where adhesives will not work.

Part Number	Legend	Color (Legend/Background)	Width		Height		Tags Per Pkg.	Std. Pkg. Qty.	Std. Ctn. Qty.
			In.	mm	In.	mm			
PST-FO	CAUTION FIBER OPTIC CABLE TYPE_____ COUNT_____	Black/Yellow	3.50	88.9	2.00	50.8	5	1	40
PST-FOBLNK	BLANK	Yellow	3.50	88.9	2.00	50.8	5	1	40

Voltage and Fiber Optic Snap-On Markers (Non-Adhesive)

Style	Width		Height		Pipe/Conduit O.D. Range		Markers Per Card
	In.	mm	In.	mm	In.	mm	
M	14.00	355.6	23.00	584.2	2.25 – 6.00	57.2 – 152.4	1
R	8.00	203.2	8.00	230.2	0.75 – 2.25	19.1 – 57.2	1

Material Chart

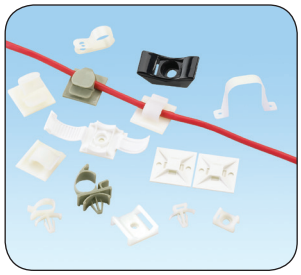
Material	Print Method	Temperature Range	Features
Semi-Rigid Polyester	Pre-Printed	-20°F to 176°F (-29°C to 80°C)	Indoor/outdoor rated; pre-coiled material protects legend from abrasion and chemicals; resistant to UV light.

Part Number		Legend	Color (Legend/Background)	Std. Pkg. Qty.	Std. Ctn. Qty.
Style M	Style R				
—	PCV-120RY	120 Volts	Black/Orange	1	25
—	PCV-480RY	480 Volts		1	25
PCV-FOMY	PCV-FORY	Fiber Optic		1	25

Order number of pieces required, in multiples of Standard Package Quantity.

Cable Management Accessories

Panduit offers a full line of cable ties and cable management accessories to bundle, route, and identify cable in a variety of applications. With the most complete selection of cable tie and accessory products, Panduit provides innovative solutions to meet various application environments, customer needs, and industry standards.



- **Panduit cable ties are the safe choice for networking applications where performance integrity is critical; designs include a comprehensive line of hook and loop solutions, elastomeric cable ties, UL Listed solutions for plenum use, parallel-entry nylon ties designed to protect cable, and a variety of materials designed for extreme weatherability and strength**
- **Tak-Ty® Hook & Loop Cable Ties are available in various styles and designed for applications requiring cable safety and frequent moves, adds, and changes; Tak-Ty® Stacked Strip Cable Ties are available in convenient discrete length packaging to eliminate cutting ties to length**
- **Elastomeric Cable Ties are made of a network safe elastic material which has a flammability rating of UL 94V-0 to meet strict telecommunication specifications**
- **Panduit offers a comprehensive line of mounts, clips, and clamps that organize and route cables, speed and simplify installations, and lower overall installed cost**
- **Panduit mounts provide long term reliability while cable clips and clamps offer a one-piece solution to save time and reduce inventory**

Panduit continues to solve customer problems and meet the needs of the evolving marketplace through the design of innovative cable tie and accessory products.

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CE Tak-Ty® Hook & Loop Cable Ties

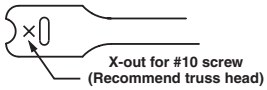
- Soft, premium material is safe to use on high performance network cables protecting against over-tensioning
- Broad selection of durable designs and sizes
- Adjustable, releasable, and re-usable hundreds of times – ideal for applications requiring frequent moves, adds, or changes
- Easy to use and operator safe with no sharp edges
- A full range of colors
- Operating temperature range: 0°F to 220°F (-18°C to 104°C)
- Complementary mounts available

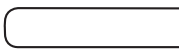
HLT (Loop Ties)

HLS (Strip Ties)

HLB (Stacked Strips)

HLM/HLS (Rolls)





Part Number	Length Ft.	Length mm	Width In.	Width mm	Max. Bundle Dia. In.	Max. Bundle Dia. mm	Min. Loop Tensile Strength* Lbs.	Min. Loop Tensile Strength* N	Std. Pkg. Qty.	Std. Ctn. Qty.
Loop Ties – Slot allows for pre-wrapping of bundles										
HLT2I-X0	8.00	203.0	0.50	12.7	1.91	49.0	40	178	10	100
HLT3I-X0	12.00	305.0	0.50	12.7	3.18	81.0	40	178	10	100
HLT2I-M0	8.00	203.0	0.50	12.7	1.91	49.0	40	178	1	1
HLT3I-M0	12.00	305.0	0.50	12.7	3.18	81.0	40	178	1	1
Strip Ties – Perforated in convenient 6", 12", and 18" strips										
HLS1.5S-X0	6.00	152.0	0.75	19.1	1.50	38.0	50	222	10	100
HLS3S-X0	12.00	305.0	0.75	19.1	3.20	81.0	50	222	10	100
HLS5S-X0	18.00	457.0	0.75	19.1	5.00	127.0	50	222	10	100
Stacked Strip Ties – Eliminates cutting ties to length and staging them for each job Rounded edges for installer safety – 100 pieces)										
HLB2S-C0	7.00	178.0	0.75	19.1	1.60	41.0	50	222	1	10

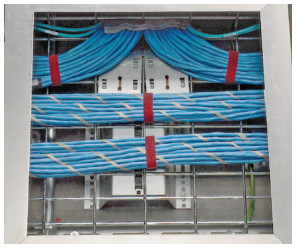
Part Number	Length Ft.	Length m	Width In.	Width mm	Max. Bundle Dia. In.	Max. Bundle Dia. mm	Min. Loop Tensile Strength* Lbs.	Min. Loop Tensile Strength* N	Std. Pkg. Qty.	Std. Ctn. Qty.
15' and 75' Continuous Rolls – Can be cut to desired length, eliminating waste										
HLM-15R0	15.0	4.6	0.33	8.4	Various	Various	40	80	1	10
HLS-15R0	15.0	4.6	0.75	19.1	Various	Various	50	222	1	10
HLS-75R0	75.0	22.9	0.75	19.1	Various	Various	50	222	1	10

For color options, reference hook and loop cable ties chart, see page N.5.
*Note: Minimum 2" overlap required to achieve loop tensile rating.

Order number of pieces required, in multiples of Standard Package Quantity.

HLTP/HLSP Hook and Loop Cable Ties – Plenum

- Soft, premium material is safe to use on high performance network cables protecting against over-tensioning
- UL Listed for use in plenum or air handling spaces (such as ceiling voids and underfloor areas) per NEC, Section 300-22 (C) and (D)
- Material flammability rating: UL 94V-2
- Adjustable, releasable, and re-usable multiple times – ideal for applications requiring frequent moves, adds, or changes
- Operating temperature range: 0°F – 122°F (-18°C – 50°C)



Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Str.*		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	m	In.	mm	In.	mm	Lbs.	N		
UL Listed Loop Ties (Maroon) – Slot allows for pre-wrapping of bundles										
HLTP2I-X12	8.00	203.0	0.50	12.7	1.91	49.0	40	178	10	100
HLTP3I-X12	12.00	305.0	0.50	12.7	3.18	81.0	40	178	10	100
UL Listed Loop Ties (Black) – Slot allows for pre-wrapping of bundles										
HLTP2I-X0	8.00	203.0	0.50	12.7	1.91	49.0	40	178	10	100
HLTP3I-X0	12.00	305.0	0.50	12.7	3.18	81.0	40	178	10	100
UL Listed Strip Ties (Maroon) – Perforated in convenient 6", 12", and 18" strips										
HLSP1.5S-X12	6.00	152.0	0.75	19.1	1.50	38.0	50	222	10	100
HLSP3S-X12	12.00	305.0	0.75	19.1	3.20	81.0	50	222	10	100
HLSP5S-X12	18.00	457.0	0.75	19.1	5.00	127.0	50	222	10	100
UL Listed Strip Ties (Black) – Perforated in convenient 6", 12", and 18" strips										
HLSP1.5S-X0	6.00	152.0	0.75	19.1	1.50	38.0	50	222	10	100
HLSP3S-X0	12.00	305.0	0.75	19.1	3.20	81.0	50	222	10	100
HLSP5S-X0	18.00	457.0	0.75	19.1	5.00	127.0	50	222	10	100

For color options, reference Hook & Loop cable ties chart, see page N.5.
*Note: Minimum 2" overlap required to achieve loop tensile rating.

Tak-Tape™ Hook & Loop Cable Tie Rolls

- Strong, low profile, flexible material is safe to use on high performance cabling protecting against over-tensioning
- Adjustable, releasable, and re-usable
- Cost-effective for general purpose bundling
- Continuous rolls can be easily cut to size – Panduit cutter included with TTS-35RX0
- Leaves no residue
- Available in black color
- Operating temperature range: -22°F to 194°F (-30°C to 90°C)
- Complementary mounts available, see page N.9.

Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Str.*		Std. Pkg. Qty.	Std. Ctn. Qty.
	Ft.	m	In.	mm	In.	mm	Lbs.	N		
TTS-20R0	20.0	6.1	0.75	19.1	Various	Various	40	178	1	10
TTS-35R3-0	35.0	10.7	0.75	19.1	Various	Various	40	178	1	8
TTS-35RX0	35.0	10.7	0.75	19.1	Various	Various	40	178	1	10

Standard Package Quantity for TTS-35R3-0 is 1 package of three 35' rolls, TTS-35RX0 is 1 package of ten 35' rolls.
For color options, reference Hook & Loop cable ties chart, see page N.5.
*Note: Minimum 2" overlap required to achieve loop tensile rating.

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CE Ultra-Cinch™ Hook & Loop Cable Ties

- Unique material with hooks and loops on same side allows user to secure a greater range of bundle diameters, including smaller bundles
- Soft, premium material is safe to use on high performance cabling, protecting against over-tensioning
- Adjustable, releasable, and re-usable hundreds of times – ideal for applications requiring frequent moves, adds, or changes
- Low profile contoured cinch ring provides extra strength and bundle tightness while reducing overall bundle size
- Grommet (UGCTC and UGCTE styles) offers strength and assures reliable installations that resist pullout when bundling and mounting cables within cabinet applications
- Tapered tip facilitates easy, snag-free threading to speed installation
- Use flat head screws for grommet applications shown below
- A full range of colors
- Operating temperature range: 0°F – 140°F (-18°C – 60°C)

Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Str.*		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	m	In.	mm	In.	mm	Lbs.	N		
Cinch Ties										
UCT3S-X0	12.00	305.0	0.85	21.6	3.00	76.0	50	222	10	100
UCT5S-X0	18.00	457.0	0.85	21.6	5.00	127.0	50	222	10	100
Cinch Ties with Brass Grommet										
UGCTC3S-X0	12.00	305.0	0.85	21.6	3.00	76.0	50	222	10	100
UGCTC5S-X0	18.00	457.0	0.85	21.6	5.00	127.0	50	222	10	100
UGCTE3S-X0	12.00	305.0	0.85	21.6	3.00	76.0	50	222	10	100
UGCTE5S-X0	18.70	475.0	0.85	21.6	5.00	127.0	50	222	10	100

Note: 1/4" (6mm) diameter mounting hole on grommet style cinch ties.
For color options, reference Hook & Loop cable ties chart, see page N.5.
*Note: Minimum 2" overlap required to achieve loop tensile rating.

Cable Bundle Organizing Tool

- Reduces cable installation time up to 50% compared to traditional methods
- Arranges 24 cables prior to applying Panduit® Tak-Ty® Hook & Loop Cable Ties
- Optimizes bundle size and improves installed appearance
- Two inserts handle multiple network cable diameters
- Ergonomic fit and compact design
- Impact resistant material and low friction design to glide smoothly across cable bundle

Part Number	Description	Insert Color	Cable Diameter Range		Std. Pkg. Qty.	Std. Ctn. Qty.
			In.	mm		
CBOT24K	Kit contains jacket cover with hook and loop fastener and two inserts.	Fluorescent Green	0.18 – 0.25	4.6 – 6.3	1	10
		Fluorescent Yellow	0.23 – 0.31	5.8 – 7.9		

Order number of pieces required, in multiples of Standard Package Quantity.

Part Number System for Tak-Ty® Hook & Loop Cable Ties

HLT	2	I	–	X	0
Type	Size	Cross Section		Package Size	Color

Type

HL = Hook and Loop
HLB = Hook and Loop Stacked Strip
HLM = HL Miniature
HLT = HL Loop Tie
HLTP = HL Loop Tie Plenum-Rated
HLS = HL Strip Tie
HLSP = HL Strip Tie Plenum-Rated
TTS = Tak-Tape™ Roll
HLTT = Hook and Loop with non-slip applicator

Size

Approx. Maximum Bundle Dia. (In.)

Cross Section

M = Miniature
I = Intermediate
S = Standard

Package Size

X = 10
Q = 25
C = 100
M = 1000
15R = 15' Roll
20R = 20' Roll
35R3 = 35' Rolls (3)
35RX = 35' Rolls (10)
75R = 75' Roll

Color

See chart below

Part Number System for Ultra-Cinch™ Hook & Loop Cable Ties

UGCT	E	3	S	–	X	0
Type	Mount	Size	Cross Section		Package Size	Color

Type

UCT = Cinch Tie
UGCT = Grommet Cinch Tie

Mount

E = End Mount
C = Center Mount

Size

Approx. Maximum Bundle Dia. (In.)

Cross Section

I = Intermediate
S = Standard

Package Size

X = 10

Color

See chart below

Color Chart

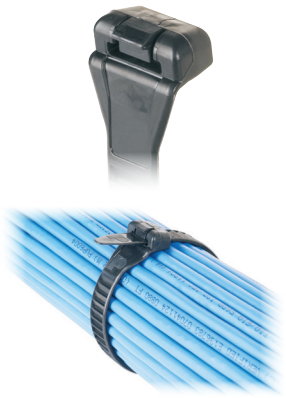
Color	Panduit Suffix
Black	0
Red	2
Orange	3
Yellow	4
Green	5

Color	Panduit Suffix
Blue	6
Gray	8
White	10
Maroon	12
Black (indoor)	20

Part Number Availability List

Standard Packaging			
Part Number	**Color**	**Part Number**	**Color**
HLB2S-C	0,2,3,4,5,6,8,10	**HLTP3I-X**	0,12
HLM-15R	0,2,3,4,5,6,8,10	**HLTT1.5S-C**	20
HLS-15R	0,2,3,4,5,6,8,10	**HLTT1.5S-Q**	20
HLS-75R	0,2,3,4,5,6,8,10	**TTS-20R**	0
HLS1.5S-X	0,2,3,4,5,6,8,10	**TTS-35RX**	0
HLS3S-X	0,2,3,4,5,6,8,10	**TTS-35R3**	0
HLS5S-X	0,2,3,4,5,6,8,10	**UCT3S-X**	0,2,3,4,5,6,8,10
HLSP1.5S-X	0,12	**UCT5S-X**	0,2,3,4,5,6,8,10
HLSP3S-X	0,12	**UGCTC3S-X**	0,2,3,4,5,6,8,10
HLSP5S-X	0,12	**UGCTC5S-X**	0,2,3,4,5,6,8,10
HLT2I-X	0,2,3,4,5,6,8,10	**UGCTE3S-X**	0,2,3,4,5,6,8,10
HLT3I-X	0,2,3,4,5,6,8,10	**UGCTE5S-X**	0,2,3,4,5,6,8,10
HLTP2I-X	0,12		

CE Elastomeric Cable Ties



- Elastic material provides a flexible tie body that safely contours around cable bundle, preventing over-tensioning of data cables to maintain network integrity
- UL 94V-0 material provides greater flame resistance; meets stringent telecommunication flammability requirements (such as NEBS GR-63-CORE)
- Soft material has no sharp edges; protects the installer and the cable bundle
- High coefficient of friction grips and prevents lateral movement along cable bundle
- Releasable and re-usable to accommodate frequent moves, adds, and changes
- Halogen-free, non-toxic, and environmentally safe material will not release toxic or corrosive gases upon combustion
- Locking head design; the tapered tip threads into locking head to speed productivity; industry-accepted intuitive tie design

	Length		Width		Thickness		Max. Bundle Dia.		Min. Loop Tensile Str.		Recommended Installation Tool	Std. Pkg. Qty.	Std. Ctn. Qty.
Part Number	In.	mm	In.	mm	In.	mm	In.	mm	Lbs.	N			
ERT2M-C20	8.50	216.0	0.50	12.7	0.09	2.3	2.35	59.7	18	80	Hand install only	100	1000
ERT3M-C20	11.00	279.0	0.50	12.7	0.09	2.3	3.00	76.2	18	80	Hand install only	100	1000
ERT4.5M-C20	16.00	406.0	0.50	12.7	0.09	2.3	4.50	114	18	80	Hand install only	100	1000

Part Number System for Elastomeric Cable Ties

ERT	2	M	—	C	
Type	Size	Cross Section		Package Size	Material/Color
ERT = Elastomeric Releasable Tie	Approx. Maximum Bundle Dia. (In.)	M = Miniature		C = 100	See chart below

Material and Color Chart

Material	Color	Panduit Suffix
TPU	Black	20

Order number of pieces required, in multiples of Standard Package Quantity.

Contour-Ty® Cable Ties – Nylon 6.6

- Unique design prevents wire and cable damage
- Low profile head avoids snags and reduces overall bundle size
- Outside teeth and smooth round edges protect cable jacket – ideal for high vibration applications
- Parallel-entry limits exposure to sharp edges and protects workers' arms/hands
- Fully enclosed head for consistent strength
- Curved tip is easy to pick up from flat surfaces and allows faster initial threading to speed installation

Part Number	Length		Width		Thickness		Max. Bundle Dia.		Min. Loop Tensile Str.*		Recommended Installation Tool	Bulk Pkg. Qty.	Bulk Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Lbs.	N			
Miniature Cross Section – Plenum-Rated													
CBR1M-M	4.1	104	0.098	2.5	0.038	1.0	1.00	25	18	80	GTS-E, GS2B, PTS, PPTS, STS2	1000	50000
CBR1.5M-M	5.3	142	0.098	2.5	0.042	1.1	1.50	38	18	80		1000	50000
CBR2M-M	7.2	183	0.098	2.5	0.042	1.1	2.00	51	18	80		1000	25000
Intermediate Cross Section – Plenum-Rated													
CBR1.5I-M	5.9	150	0.140	3.6	0.040	1.0	1.50	38	40	178	GTS-E, GS2B, PTS, PPTS, STS2	1000	25000
CBR3I-M	10.4	264	0.140	3.6	0.052	1.3	3.00	76	40	178		1000	10000
CBR4I-M	13.6	345	0.140	3.6	0.052	1.3	3.60	102	40	178		1000	10000
Standard Cross Section – Plenum-Rated													
CBR2S-M	7.6	193	0.190	4.8	0.044	1.1	2.00	51	50	222	GTS-E, GTH-E, GS2B, GS4H, PTS, PTH, PPTS, STS2, STH2	1000	10000
CBR3S-M	10.8	274	0.190	4.8	0.052	1.3	3.00	76	50	222		1000	5000
CBR4S-M	14.0	356	0.190	4.8	0.052	1.3	4.00	102	50	222		1000	5000
Heavy-Standard Cross Section – Plenum-Rated													
CBR2HS-D	8.0	203	0.250	6.4	0.058	1.4	2.00	51	85	378	GTH-E, GS4H, GS4EH, PTH, STH2, ST3EH	500	5000
Light-Heavy Cross Section – Plenum-Rated													
CBR4LH-TL	14.6	371	0.300	7.6	0.070	1.8	7.60	102	120	534	GTH-E, GS4H, GS4EH, PTH, STH2, ST3EH	250	2500
CBR6LH-C	20.9	531	0.300	7.6	0.070	1.8	6.00	152	120	534		100	2000

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Tak-Ty® Hook & Loop Cable Tie Mounts

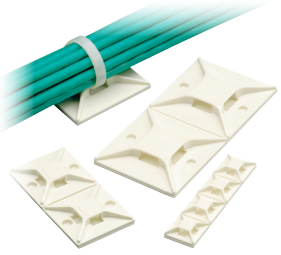
- For use with TTS Tak-Tape™ and HLT/HLS Tak-Ty® Hook & Loop Cable Ties
- Unique cradle design provides maximum stability for cable bundle
- For indoor use only
- Dimensions: 1.10"L x 1.10"W x .34"H (27.9mm x 27.9mm x 8.6mm)

Part Number	Mounting Method	Material	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
ABMT-A-C*	Pre-installed Rubber Adhesive	Nylon 6.6	Natural	100	1000
ABMT-A-C20*			Black	100	1000
ABMT-S6-C	#6 (M3) Screw	Nylon 6.6	Natural	100	1000
ABMT-S6-C20			Black	100	1000
ABMT-S6-C60**		Flame Retardant Nylon 6.6	Black	100	1000
ABMT-S6-C69**			Natural	100	1000

*Maximum static load for adhesive backed mounts is .38 lbs. (174g).
**Flame retardant products are manufactured from a material that is rated UL 94V-0.

4-Way Adhesive Backed Cable Tie Mounts

- Allow cable tie entry from all four sides
- Available in multiple sizes to match application load requirements
- Produced 2-up and with tear tabs for fast and easy liner removal to speed installation
- Rubber-based adhesive provides a strong and reliable bond
- For indoor use only



Part Number	Used With Cable Ties	Length		Width		Material	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm				
ABM1M-A-C	M	.50	12.7	.50	12.7	Nylon 6.6	White	100	500
ABMM-A-C	M, I	.75	19.1	.75	19.1	ABS	White	100	500
ABMM-A-C20	M, I	.75	19.1	.75	19.1		Black	100	500
ABM2S-A-C	M, I, S	1.00	25.4	1.00	25.4		White	100	500
ABM2S-A-C14	M, I, S	1.00	25.4	1.00	25.4		Gray	100	500
ABM2S-A-C15	M, I, S	1.00	25.4	1.00	25.4		Ivory	100	500
ABM2S-A-C20	M, I, S	1.00	25.4	1.00	25.4		Black	100	500
ABM100-A-C	M, I, S	1.00	25.4	1.00	25.4	Nylon 6.6	White	100	1000
ABM100-A-C15	M, I, S	1.00	25.4	1.00	25.4		Ivory	100	1000
ABM100-A-D20	M, I, S	1.00	25.4	1.00	25.4		Black	500	5000
ABM112-A-C	M, I, S	1.12	28.6	1.12	28.6		White	100	500
ABM112-A-D20	M, I, S	1.12	28.6	1.12	28.6		Black	100	5000
ABM3H-A-L	M, I, S, HS, LH, H, HLM	1.50	38.1	1.50	38.1		White	50	500
ABM3H-A-L20		1.50	38.1	1.50	38.1		Black	50	500
ABM4H-A-L		2.00	50.8	2.00	50.8		White	50	500

Cable Tie Cross Sections: M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature Tak-Ty® Hook & Loop Cable Ties.

Order number of pieces required, in multiples of Standard Package Quantity.

Cable Tie Mounts

- Unique cradle design provides maximum stability for the cable bundle
- Low profile design keeps bundle close to mounting surface
- Material: Nylon 6.6 or as specified below

Part Number	Used With Cable Ties	Length		Width		Height		Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm				
TM1S4-C	M	.51	13.0	.32	8.0	.23	5.8	Natural	#4 (M2.5) screw	100	500
TM1S4-C0*	M							Black		100	500
TM1S6-C	M							Natural	#6 (M3) screw	100	500
TM1S6-C0*	M							Black		100	500
TM2S6-C	M, I, S	.63	16.0	.43	10.8	.28	7.0	Natural		100	500
TM2S6-C0*	M, I, S							Black		100	500
TM2S8-C	M, I, S							Natural	#8 (M4) screw	100	500
TM2S8-C0*	M, I, S							Black		100	500
TM3S8-C	M, I, S, LH	.86	21.9	.61	15.5	.37	9.4	Natural		100	500
TM3S8-C0*	M, I, S, LH							Black		100	500
TM3S10-C	M, I, S, LH							Natural	#10 (M5) screw	100	500
TM3S10-C0*	M, I, S, LH							Black		100	500
TM3S2510-C30**	M, I, S, LH	.87	22.2	.62	15.7	.38	9.6	Black		100	500
TM3S2510-C39**	M, I, S, LH	.87	22.2	.62	15.7	.38	9.6	Natural		100	500
TM3S25-C	M, I, S, LH	.88	22.3	.63	16.0	.38	9.6	Natural	1/4 (M6) screw	100	500
TM3S25-C0*	M, I, S, LH	.88	22.3	.63	16.0	.38	9.6	Black		100	500

*Material: Weather Resistant Nylon 6.6
**Material: Heat Stabilized Nylon 6.6
Cable Tie Cross Sections: M = Miniature, I = Intermediate, S = Standard, LH = Light-Heavy.

Extra-Heavy Cable Tie Mounts

- Unique cradle design provides maximum stability for cable bundle
- Route and support large diameter and heavy cable bundles
- Dimensions are 1.62"L x 0.72"W x .61"H (41.4mm x 18.8mm x 15.5mm)*
- Weather resistant material for indoor/outdoor use

Part Number	Used With Cable Ties	Material	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
TMEH-S8-Q0	I, S, H, EH	Weather Resistant Nylon 6.6	#8 (M4) Screw	25	250
TMEH-S10-Q0			#10 (M5) Screw	25	250
TMEH-S10-C100		Weather Resistant Polypropylene	#10 (M5) Screw	100	500
TMEH-S10-C109		Polypropylene	#10 (M5) Screw	100	500
TMEH-S25-Q0		Weather Resistant Nylon 6.6	1/4" (M6) Screw	25	250

All product color is black.
*Polypropylene parts (TMEH-S10-C100, TMEH-S10-C109 have an overall length of 1.65" (41.9mm).
Cable Tie Cross Sections: I = Intermediate, S = Standard, H = Heavy, EH = Extra Heavy.

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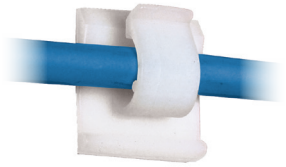
Adhesive Backed Cord Clips

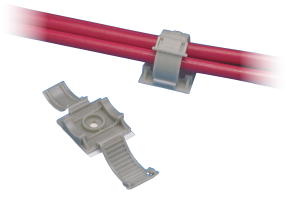
- Cables are easily snapped into or out of the clips
- Rubber-based adhesive (-A) provides a strong and reliable bond
- Acrylic-based adhesive (-AV) is VHB adhesive suitable for demanding applications
- For indoor use only
- Material: Nylon 6.6; Parts with suffix (M300) are Heat Stabilized Nylon 6.6



Part Number	Max. Bundle Diameter		Length		Width		Height		Color	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm			
ACC19-A-C	0.19	4.8	0.75	19.0	0.62	15.7	0.25	6.4	Natural	100	500
ACC19-A-C20	0.19	4.8	0.75	19.0	0.62	15.7	0.25	6.4	Black	100	500
ACC38-A-C	0.38	9.7	1.00	25.4	1.00	25.4	0.38	9.7	Natural	100	500
ACC38-A-C20	0.38	9.7	1.00	25.4	1.00	25.4	0.38	9.7	Black	100	500
ACC62-A-C	0.62	15.7	1.24	31.5	1.12	28.4	0.63	16.0	Natural	100	500
ACC62-A-C20	0.62	15.7	1.24	31.5	1.12	28.4	0.63	16.0	Black	100	500
ACC19-AV-M300	0.19	4.8	0.75	19.0	0.62	15.7	0.38	6.4	Black	1000	5000
ACC38-AV-M300	0.38	9.7	1.00	25.4	1.00	25.4	0.40	10.2	Black	1000	5000
ACC62-AV-M300	0.62	15.7	1.24	31.5	1.12	28.4	0.63	16.0	Black	500	5000

Clincher™ Adjustable Releasable Clamp

- Adjustable clamp designed to contain a range of cable bundle diameters
- Latch can be released to provide access to cable bundles
- Bundle range: .19" – .68" (4.8mm – 17.3mm) diameter
- Dimensions are 1.00"L x 1.00"W (25.4mm x 25.4mm)
- For indoor use only
- Material: Polypropylene

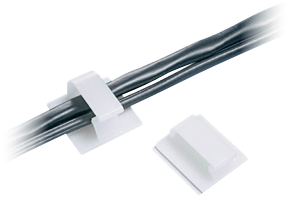


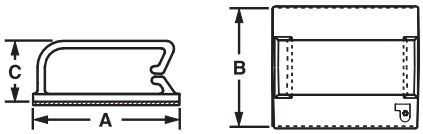
Part Number	Mounting Method	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
ARC.68-A-Q14	Rubber Adhesive	Gray	25	250
ARC.68-S6-Q14	#6 (M3) Screw	Gray	25	250
ARC.68-A-Q	Rubber Adhesive	White	25	250
ARC.68-S6-Q	#6 (M3) Screw	White	25	250

Order number of pieces required, in multiples of Standard Package Quantity.

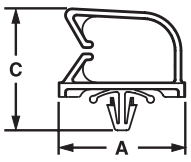
Bevel Entry Clips

- Beveled entry allows for easy insertion of cable bundle
- Rubber-based adhesive provides a strong and reliable bond





BEC



BECP

Part Number	Max Bundle Diameter In.	Max Bundle Diameter mm	Length A In.	Length A mm	Width B In.	Width B mm	Height C In.	Height C mm	Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
Adhesive Backed													
BEC38-A-L	0.38	9.6	1.46	37.1	1.24	31.5	0.52	13.2	Nylon 6.6	Natural	Rubber Adhesive	50	500
BEC38-A-L20									Nylon 6.6	Black		50	500
BEC38-AT-L0									Weather Resistant Nylon 6.6	Black	Acrylic Adhesive Tape	50	500
BEC62-A-L	0.62	15.7					0.79	20.1	Nylon 6.6	Natural	Rubber Adhesive	50	500
BEC62-A-L20									Nylon 6.6	Black		50	500
BEC62-AT-L0									Weather Resistant Nylon 6.6	Black	Acrylic Adhesive Tape	50	500
BEC75-A-L	0.75	19.0			1.49	37.8	0.89	22.6	Nylon 6.6	Natural	Rubber Adhesive	50	500
BEC75-A-L20									Nylon 6.6	Black		50	500
BEC75-AT-L0									Weather Resistant Nylon 6.6	Black	Acrylic Adhesive Tape	50	500
Push Barb													
BECP38H25-L	0.38	9.6	1.46	37.1	0.73	18.5	1.00	25.4	Nylon 6.6	Natural	Push Barb	50	500
BECP38H25-L20	0.38	9.6	1.46	37.1						Black		50	500
BECP75H25-L	0.75	19.0	1.47	37.3			.1.35	34.3		Black		50	500
BECP75H25-L20	0.75	19.0	1.47	37.3						Natural		50	500

Wire Bundle Strap

- Securely routes large cable bundles
- Rounded edges prevent damage to cable jackets
- Mounting method: two 1/4" (M6) screws
- Dimensions are 4.70"L x 1.00"W x 2.54"H (119.4mm x 25.4mm x 64.5mm)
- For indoor use only

Part Number	Material	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
WBS6-Q	ABS	White	25	125
WBS6-Q60*	Flame Retardant Nylon 6.6	Black	25	125

*Manufactured from a UL 94V-0 material.

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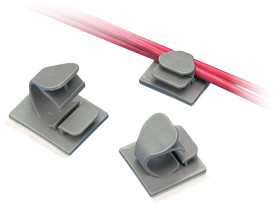
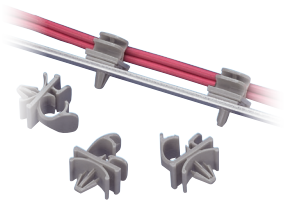
Latching Wire Clips

- Route and secure cords and cables
- Convenient releasable latch
- Available in six sizes with releasable latch
- Push barb parts are for use with a max panel thickness of .11" (2.7mm) and a hole diameter of .22" (5.6mm)
- For indoor use only
- Material: Nylon 6.6





Part Number	Max. Bundle Diameter In.	Max. Bundle Diameter mm	Length In.	Length mm	Width In.	Width mm	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Adhesive Backed									
LWC19-A-C	.19	4.8	.85	21.6	.61	15.5	Natural	100	1000
LWC19-A-C14							Gray	100	1000
LWC19-A-C20							Black	100	1000
LWC25-A-C	.25	6.4	.88	22.4	1.00	25.4	Natural	100	1000
LWC25-A-C14							Gray	100	1000
LWC25-A-C20							Black	100	1000
LWC38-A-C	.38	9.5	1.00	25.4	1.00	25.4	Natural	100	1000
LWC38-A-C14							Gray	100	1000
LWC38-A-C20							Black	100	1000
LWC50-A-L	.50	12.7	1.26	32.0	1.00	25.4	Natural	50	500
LWC50-A-L14							Gray	50	500
LWC50-A-L20							Black	50	500
LWC75-A-L	.75	19.1	1.48	37.6	1.24	31.5	Natural	50	500
LWC75-A-L14							Gray	50	500
LWC75-A-L20							Black	50	500
LWC100-A-L	1.00	25.4	2.21	56.1	1.97	50.0	Natural	50	500
LWC100-A-L14							Gray	50	500
LWC100-A-L20							Black	50	500
Push Mount									
LWC19-H25-C	0.19	4.8	.85	21.6	.51	12.8	Natural	100	1000
LWC19-H25-C14	0.19	4.8	.85	21.6	.51	12.8	Gray	100	1000
LWC25-H25-C	.25	6.4	.86	21.8	.58	14.7	Natural	100	1000
LWC25-H25-C14							Gray	100	1000
LWC25-H25-C20							Black	100	1000
LWC38-H25-C	.38	9.5	.94	23.9	.58	14.7	Natural	100	1000
LWC38-H25-C14	.38	9.5	.94	23.9	.58	14.7	Gray	100	1000
LWC50-H25-L	.50	12.7	1.25	31.8	.76	19.3	Natural	50	500
LWC50-H25-L14							Gray	50	500
LWC50-H25-L20							Black	50	500
LWC75-H25-L	.75	19.1	1.45	36.8	.87	22.1	Natural	50	500
LWC75-H25-L14							Gray	50	500
LWC75-H25-L20							Black	50	500
LWC100-H25-L	1.00	25.4	1.89	47.9	.99	25.2	Natural	50	500
LWC100-H25-L14							Gray	50	500
LWC100-H25-L20							Black	50	500

Order number of pieces required, in multiples of Standard Package Quantity.

Fixed Diameter Cable Clamps

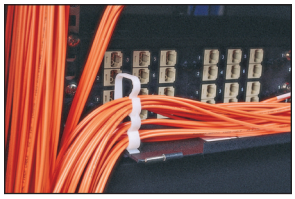
- Durable Nylon 6.6 cable clamps
- Fully radiused edges

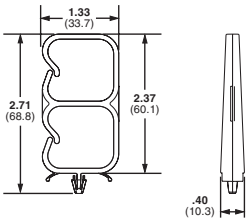
Part Number	Max. Bundle Diameter		Width		Bundle Offset		Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm			
CCS12-S8-C	.12	3.1	.37	9.4	.33	8.4	#8 (M4) Screw	100	500
CCS19-S8-C	.19	4.8	.37	9.4	.43	10.9	#8 (M4) Screw	100	500
CCS25-S8-C	.25	6.3	.37	9.4	.41	10.4	#8 (M4) Screw	100	500
CCS25-S10-C	.25	6.3	.37	9.4	.41	10.4	#10 (M5) Screw	100	500
CCS31-S8-C	.31	7.9	.37	9.4	.49	12.4	#8 (M4) Screw	100	500
CCS38-S8-C	.38	9.5	.37	9.4	.59	15.0	#8 (M4) Screw	100	500
CCS44-S8-C	.44	11.1	.37	9.4	.57	14.5	#8 (M4) Screw	100	500
CCS50-S8-C	.50	12.7	.37	9.4	.60	15.2	#8 (M4) Screw	100	500
CCH12-S10-C	.12	3.1	.50	12.7	.36	9.1	#10 (M5) Screw	100	500
CCH19-S10-C	.19	4.8	.50	12.7	.42	10.7	#10 (M5) Screw	100	500
CCH25-S10-C	.25	6.3	.50	12.7	.46	11.7	#10 (M5) Screw	100	500
CCH31-S10-C	.31	7.9	.50	12.7	.50	12.7	#10 (M5) Screw	100	500
CCH38-S10-C	.38	9.5	.50	12.7	.53	13.5	#10 (M5) Screw	100	500
CCH44-S10-C	.44	11.1	.50	12.7	.56	14.2	#10 (M5) Screw	100	500
CCH50-S10-C	.50	12.7	.50	12.7	.59	15.0	#10 (M5) Screw	100	500
CCH56-S10-C	.56	14.2	.50	12.7	.61	15.5	#10 (M5) Screw	100	500
CCH62-S10-C	.62	15.7	.50	12.7	.65	16.5	#10 (M5) Screw	100	500
CCH69-S10-C	.69	17.5	.50	12.7	.75	19.1	#10 (M5) Screw	100	500
CCH75-S10-C	.75	19.1	.50	12.7	.78	19.8	#10 (M5) Screw	100	500
CCH81-S10-C	.81	20.6	.50	12.7	.81	20.6	#10 (M5) Screw	100	500
CCH87-S10-C	.87	22.1	.50	12.7	.84	21.3	#10 (M5) Screw	100	500
CCH100-S10-C	1.00	25.4	.50	12.7	.91	23.1	#10 (M5) Screw	100	500
CCH112-S10-C	1.12	28.4	.50	12.7	.97	24.6	#10 (M5) Screw	100	500
CCH119-S10-C	1.19	30.2	.50	12.7	1.00	25.4	#10 (M5) Screw	100	500
CCH125-S10-C	1.25	31.8	.50	12.7	1.06	26.9	#10 (M5) Screw	100	500
CCH138-S10-C	1.37	34.8	.50	12.7	1.12	28.4	#10 (M5) Screw	100	500
CCH150-S10-C	1.50	38.1	.50	12.7	1.19	30.2	#10 (M5) Screw	100	500

All parts listed are also available in black weather resistant material (add suffix 0). Bulk package only.

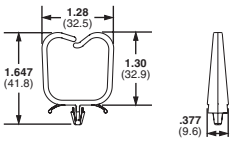
Optical Fiber Network Saddles

- Use in pre-drilled .18 inch (4.0mm) holes in panels up to .09 inch (2.0mm) thick
- Smooth rounded edges eliminate potential for snagging and stress on cable





VWSDC



VWS106

Part Number	Max. Bundle Diameter		Material	Mounting Method	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm					
VWSDC-C*	1.06	26.9	Nylon 6.6	Push Barb	Natural	100	500
VWSDC-C20*	1.06	26.9	Nylon 6.6	Push Barb	Black	100	500
VWS106-C	1.06	26.9	Nylon 6.6	Push Barb	Natural	100	500
VWS106-C20	1.06	26.9	Nylon 6.6	Push Barb	Black	100	500

*Accepts two bundles.

Bridle Rings

- Multiple diameters, thread sizes, and configurations
- Other unique labor saving assemblies differentiate from competition – including pre-assemblies with powder actuated fasteners, toggle wings, and clearance holes for user supplied fasteners
- Not recommended for high performance cables; see J-Pro™ Cable Support System

Wood Screw Thread

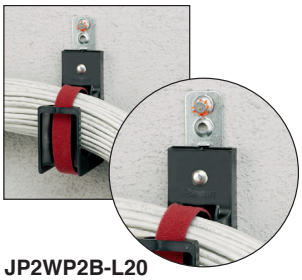
User Supplied Nail or Fastener

Integrated Toggle Screw

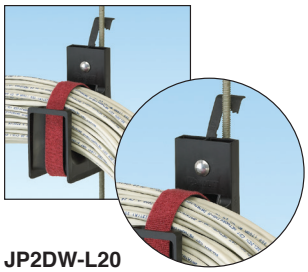
Part Number	Part Description	Std. Pkg. Qty.
Bridle Rings		
BR-1.25-14WS	Bridle ring, 1.25" dia., 16 wood screw thread.	100
BR-2.0-14WS	Bridle ring, 2.00" dia., 16 wood screw thread.	100
BR-1.5-SN	Bridle ring, 1.50" dia., user supplied nail or fastener.	100
BR-2.0-SN	Bridle ring, 2.00" dia., user supplied nail or fastener.	100
BR-1.5-TW	Bridle ring, 1.50" dia., with integrated toggle screw.	25
BR-2.0-TW	Bridle ring, 2.00" dia., with integrated toggle screw.	25

Order number of pieces required, in multiples of Standard Package Quantity.

JP2W-L20


JP2WP2B-L20

JP2CMB-L20


JP2DW-L20

J-Pro™ Cable Support System

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JP2W-L20

JP2WP2B-L20

JP2CMB-L20

JP2DW-L20

Part Number	Part Description	Max. Bundle Capacity In.	Max. Bundle Capacity mm	Max. Cable Capacity* Category 6A-SD/6A (0.30")	Max. Cable Capacity* Category 6 (0.24")	Max. Cable Capacity* Category 5e (0.23")	Material**	Std. Pkg. Qty.
Wall Mount								
JP75W-L20	J Hook for wall mount applications. One 1/4" (M6) mounting hole for user supplied fastener. Not for use with powder actuated fasteners.	0.75	19.0	5	8	10	Nylon 6.6	50
JP131W-L20		1.31	33.3	15	25	29		50
JP2W-L20		2.00	50.8	30	46	55		50
JP4W-X20		4.00	101.6	115	180	200		50
Wall Mount with Bracket								
JP75WP2B-L20	J Hook for powder actuated installation on walls. One 5/32" (M4) mounting hole and one 1/4" (M6) mounting hole for user supplied fasteners.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131WP2B-L20		1.31	33.3	15	25	29		50
JP2WP2B-L20		2.00	50.8	30	46	55		50
JP4WP2B-X20		4.00	101.6	115	180	200		50
Ceiling Mount								
JP75CMB-L20	J Hook with ceiling mount bracket that has one 3/16" (M5), 1/4" (M6), and 3/8" (M10) mounting hole.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131CMB-L20		1.31	33.3	15	25	29		50
JP2CMB-L20		2.00	50.8	30	46	55		50
JP4CMB-X20		4.00	101.6	115	180	200		10
Drop Wire and Threaded Rod Clip								
JP75DW-L20	J Hook with clip for use with #12 wire and threaded rod up to 3/8" (9.5mm) in diameter.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131DW-L20		1.31	33.3	15	25	29		50
JP2DW-L20		2.00	50.8	30	46	55		50
JP4DW-X20		4.00	101.6	115	180	200		10

*The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, please contact customer service.
**Suitable for use in air handling spaces in accordance with Sec. 300.22(C) and (D) of the National Electrical Code when mounted as single units or in pairs. JP4 family of parts suitable for use in single unit configurations only.
Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4' (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 20).

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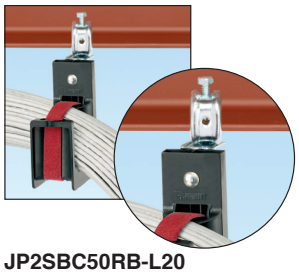
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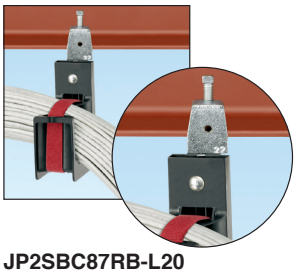
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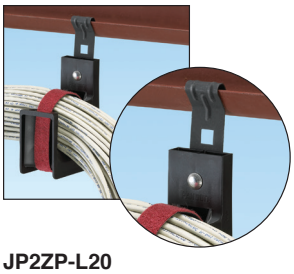
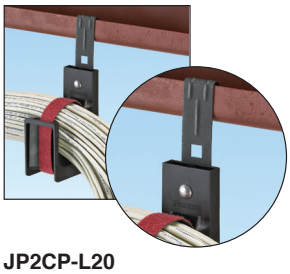

JP2ZP-L20


JP2CP-L20

J-Pro™ Cable Support System (continued)

JP2SBC50-L20

JP2SBC50RB-L20

JP2SBC87-L20

JP2SBC87RB-L20

JP2ZP-L20

JP2CP-L20

Part Number	Part Description	Max. Bundle Capacity		Max. Cable Capacity*			Material**	Std. Pkg. Qty.
		In.	mm	Category 6A-SD/6A (0.30")	Category 6 (0.24")	Category 5e (0.23")		
Screw-On Beam Clamps								
JP75SBC50-L20	J hook with screw-on beam clamp for use with flanges up to 1/2" (12.7mm) thick. Non-rotating mount.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131SBC50-L20		1.31	33.3	15	25	29		50
JP2SBC50-L20		2.00	50.8	30	46	55		50
JP4SBC50-X20		4.00	101.6	115	180	200		10
JP75SBC50RB-L20	J hook with screw-on beam clamp for use with flanges up to 1/2" (12.7mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10		50
JP131SBC50RBL20		1.31	33.3	15	25	29		50
JP2SBC50RB-L20		2.00	50.8	30	46	55		50
JP4SBC50RB-X20		4.00	101.6	115	180	200		10
JP75SBC87-L20	J hook with screw-on beam clamp for use with flanges up to 3/4" (19.1mm) thick. Non-rotating mount.	0.75	19.0	5	8	10		50
JP131SBC87-L20		1.31	33.3	15	25	29		50
JP2SBC87-L20		2.00	50.8	30	46	55		50
JP4SBC87-X20		4.00	101.6	115	180	200		10
JP75SBC87RB-L20	J hook with screw-on beam clamp for use with flanges up to 3/4" (19.1mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10		50
JP131SBC87RBL20		1.31	33.3	15	25	29		50
JP2SBC87RB-L20		2.00	50.8	30	46	55		50
JP4SBC87RB-X20		4.00	101.6	115	180	200		10
Purlin Clips								
JP75ZP-L20	J hook with z-purlin clip for use with angled flanges up to 1/4" (6.4mm) thick.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131ZP-L20		1.31	33.3	15	25	29		50
JP2ZP-L20		2.00	50.8	30	46	55		50
JP4ZP-X20		4.00	101.6	115	180	200		10
JP75CP-L20	J hook with c-purlin clip for use with vertical flanges up to 1/4" (6.4mm) thick.	0.75	19.0	5	8	10		50
JP131CP-L20		1.31	33.3	15	25	29		50
JP2CP-L20		2.00	50.8	30	46	55		50
JP4CP-X20		4.00	101.6	115	180	200		10

*The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, please contact customer service.
**Suitable for use in air handling spaces in accordance with Sec. 300.22(C) and (D) of the National Electrical Code when mounted as single units or in pairs. JP4 family of parts suitable for use in single unit configurations only. Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4' (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 20).

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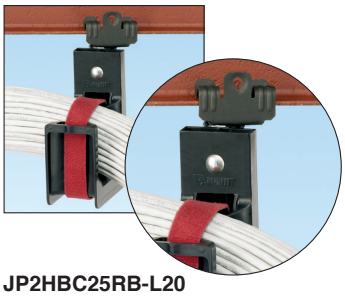
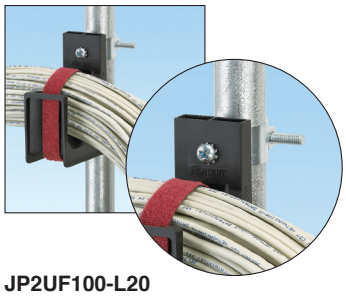
Order number of pieces required, in multiples of Standard Package Quantity.



JP2HBC25RB-L20



JP2UF100-L20

J-Pro™ Cable Support System (continued)

JP2HBC25RB-L20
JP2HBC50RB-L20
JP2HBC75RB-L20

JP2UF100-L20

Part Number	Part Description	Max. Bundle Capacity		Max. Cable Capacity*			Material**	Std. Pkg. Qty.
		In.	mm	Category 6A-SD/6A (0.30")	Category 6 (0.24")	Category 5e (0.23")		
Hammer-On Beam Clamps								
JP75HBC25RB-L20	J hook with hammer-on beam clamp for use with flanges 1/8" – 1/4" (3.2mm – 6.4mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131HBC25RBL20		1.31	33.3	15	25	29		50
JP2HBC25RB-L20		2.00	50.8	30	46	55		50
JP4HBC25RB-X20		4.00	101.6	115	180	200		50
JP75HBC50RB-L20	J hook with hammer-on beam clamp for use with flanges 5/16" – 1/2" (7.9mm – 12.7mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10		50
JP131HBC50RBL20		1.31	33.3	15	25	29		50
JP2HBC50RB-L20		2.00	50.8	30	46	55		50
JP4HBC50RB-X20		4.00	101.6	115	180	200		50
JP75HBC75RB-L20	J hook with hammer-on beam clamp for use with flanges 9/16" – 3/4" (14.3mm – 19.1mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10		50
JP131HBC75RBL20		1.31	33.3	15	25	29		50
JP2HBC75RB-L20		2.00	50.8	30	46	55		50
JP4HBC75RB-X20		4.00	101.6	115	180	200		10
Underfloor Pedestal Clamps								
JP75UF100-L20	J hook with clip for use with #12 wire and threaded rod up to 3/8" (9.5mm) in diameter.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with metal attachments	50
JP131UF100-L20		1.31	33.3	15	25	29		50
JP2UF100-L20		2.00	50.8	30	46	55		50
JP4UF100-X20		4.00	101.6	115	180	200		10

*The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, please contact customer service.
**Suitable for use in air handling spaces in accordance with Sec. 300.22(C) and (D) of the National Electrical Code when mounted as single units or in pairs. JP4 family of parts suitable for use in single unit configurations only.
Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4' (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 20).

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