

Central Tube Outdoor Cable with smooth steel tape armoring and 2 steel wires

A-D(ZM)(SG)2Y 1X12G50CC OM2/125 CT

CORNING

Corning Cable Systems Central Tube cables with smooth steel tape armoring and two steel wires are designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations. The Central Tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibers are color-coded for quick and easy identification. The cable construction, based on a central buffer tube, is very compact, light, flexible and ideal for connections requiring a moderate fiber count. These cables are designed for installation in conduits, ducts and for direct burial.

Features and Benefits

Waterblocking technology

OSP applications

UV and microbe resistant

Can be directly buried or installed in ducts

Corrugated steel armoring

Rodent and mechanical protection

Small diameter and bend radius

Easy installation in space-constrained areas

Fibres colour coding to IEC 60304 (Telcordia-Bellcore)

Easy identification of the individual fibres

Standards

Waterblocking IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Outdoor
Application	Direct Buried
Cable Type	Central Tube
Product Type	Armoured
Fibre Category	50 µm MM (OM2)

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Temperature Range

Installation and assembly	-5 °C to 50 °C
Operation	-30 °C to 70 °C
Storage	-40 °C to 70 °C

Cable Design

Fibre Count	12
Fibres per Tube	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	3 mm
Buffer tube colour	White
Number of Tube Positions	1
Tape	Water-swellaible
Tensile strength elements and/or armoring - Layer 1	Smooth steel tape and 2 steel wires
Number of Ripcords	2
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket colour	Black
Outer jacket nominal thickness	2.2 mm
Cable marking	metre - handset - double sine - CORNING - year A-D(ZM) (SG)2Y 1X12 G50/125 Pretium 150 ULTRA-BEND 7.5

Mechanical Characteristics Cable

Nominal Outer Diameter	8.8 mm
Weight	85 kg/km
Min. Bend Radius Installation	180 mm
Min. Bend Radius Operation	154 mm
Max. tensile strength for installation	2700 N
Crush Resistance	2000 N/10cm

Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fibre Specifications

Optical Characteristics (cabled)	
Fibre Name	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre Core Diameter	50 μ m
Fibre Category	OM2
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -
Serial 1 Gigabit Ethernet	750 m / 600 m / -
Serial 10 Gigabit Ethernet	150 m / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
Standards in Compliance	TIA/EIA 492AAAB, Restricted Mode Launch (RML) according to TIA/EIA 455-204 and IEC 60793-1-41, ITU-T G651, ISO/IEC 11801 Cat. OM2
Fibre Code	G

- Notes: 1) 50 μ m multimode fibre macrobend loss \leq 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
2) Improved attenuation and bandwidth options available
3) Bend-insensitive single-mode fibres available on request
4) Contact a Corning Cable Systems Customer Care Representative for additional information

Ordering Information

Part Number	FWCT01-S0012-G001
Product Description	A-D(ZM)(SG)2Y 1X12 G50/125 Pretium 150 ULTRA-BEND 7.5

Shipping Information

Maximum delivery length	4,000 m
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