

# FREEDM™ Gel-free Loose Tube Dielectric Armor Indoor/Outdoor Cable LT 2.3 2x12 G50 MMF ClearCurve® OM3 LT 2.3



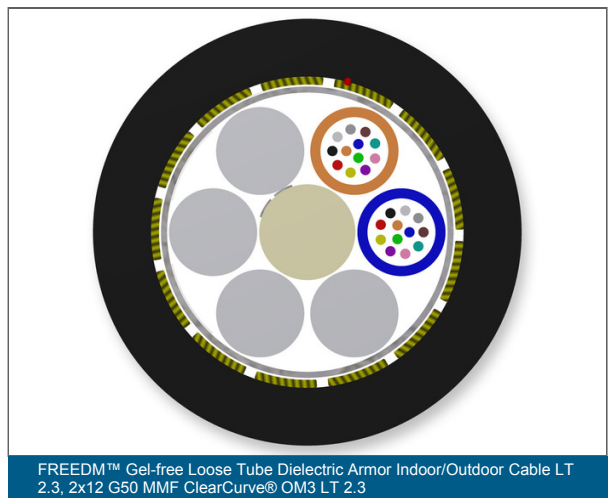
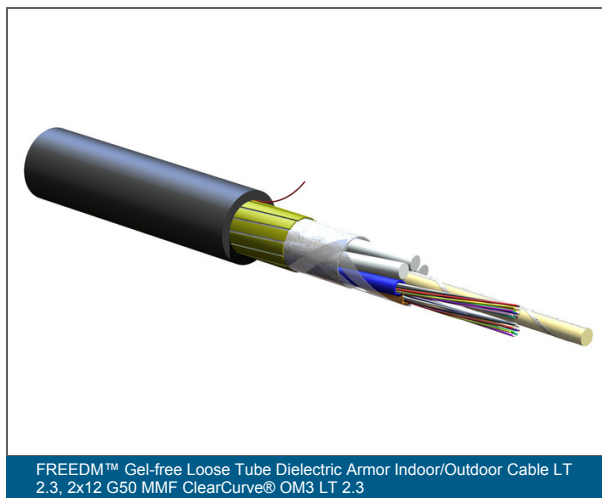
**Part Number:**  
**024TRU-T3188D2G**

Corning gel-free MPC (multi-purpose cable) stranded loose tube cables are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct and riser applications. The innovative dry, gel-free design with water-blocking technology eliminates the need for traditional flooding compound, providing more efficient and craft-friendly cable preparation. The loose tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The buffer tubes and fibers in each tube are color coded for quick, easy identification. The SZ-stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access. These cables are designed for installation in conduits, ducts and in-house.

## Features and Benefits

### Dry, gel-free tube

Minimal cleaning, easy cable preparation



# FREEDM™ Gel-free Loose Tube Dielectric Armor Indoor/Outdoor Cable LT 2.3 2x12 G50 MMF ClearCurve® OM3 LT 2.3



## Specifications

General Specifications	
Cable Type	Loose Tube
Environment	Indoor/Outdoor
Product Type	Dielectric armor
Fiber Category	50 µm MM (OM3)
Flame Rating	LSZH/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-BQ(ZN)BH
Application	Duct, General purpose, Horizontal, Vertical Riser
Cable geometry	Round

Standards	
Reaction to Fire	Eca
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-22 Method F5B
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable)
Reaction to Fire Requirements	Reaction to fire according to EN 50575 and EN 13501-6

Environmental Conditions	
Temperature Range, Installation	-5 °C to 50 °C
Temperature Range, Operation	-30 °C to 70 °C
Temperature Range, Storage	-40 °C to 70 °C

Cable Design	
Cable Marking	Meter - Handset - CE 18 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-BQ(ZN)BH 24 OM3CC LT 2.3 LSZH(TM)/FRNC
Central Element	Dielectric
Fiber Count	24

# FREEDM™ Gel-free Loose Tube Dielectric Armor Indoor/Outdoor Cable LT 2.3 2x12 G50 MMF ClearCurve® OM3 LT 2.3



Cable Design	
Number of Ripcords	1
Outer Jacket Color	Black
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer Jacket Nominal Thickness	1.5 mm
Tensile Strength Elements and/or Armoring - Layer 1	Laminated glass yarn armor
Buffer Tube Color	Blue, Orange
Buffer Tube Diameter	2.25 mm
Central Element Diameter	2.5 mm
Filling Element Color	Natural
Number of Active Tubes	2
Number of Filling Elements	4
Number of Tube Positions	6
Tape	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications	
Crush Resistance	5000 N/10 cm
Max. Tensile Strength for Installation	4000 N
Min. Bend Radius Installation	214 mm
Min. Bend Radius Operation	160 mm
Nominal Outer Diameter	10.7 mm

Optical Characteristics	
Fiber Code	T
Performance Option Code	88

# FREEDM™ Gel-free Loose Tube Dielectric Armor Indoor/Outdoor Cable LT 2.3 2x12 G50 MMF ClearCurve® OM3 LT 2.3



Optical Characteristics	
Fiber Category	OM3
Fiber Type	Multimode
Fiber Name	50 µm MM (OM3)
Maximum Attenuation	3.8 dB/km / 2.0 dB/km
Wavelengths	850 nm / 1300 nm
Fiber Compliance	IEC 60793-2-10
Fiber Core Diameter	50 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km

Dimensions	
Cable Weight	109 kg/km
Max. cable length per reel/drum	4000 m



Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany  
+00 800 2675 4641 • FAX: • [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/emea/trademarks](http://www.corning.com/opcomm/emea/trademarks). Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2025 Corning Optical Communications. All rights reserved.