

Loose Tube Steel Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM3 LT 2.3

CORNING

Part Number:
048TRY-T3188H2G

Corning MPC (multipurpose cable) stranded loose tube cables are flame retardant, indoor/outdoor and designed for interbuilding/intrabuilding backbones in duct and riser applications. The loose tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The buffer tubes and fibres in each tube are color coded for quick and 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

Waterblocking technology

OSP (outdoor) applications

Corrugated steel armouring

Rodent, mechanical protection and direct buried applications

Fibres/buffer tubes colour coded to Telcordia-Bellcore

Easy identification of the individual tubes and fibres

Dry cable core by means of water swellable elements

Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications

SZ-stranded, loose tube design

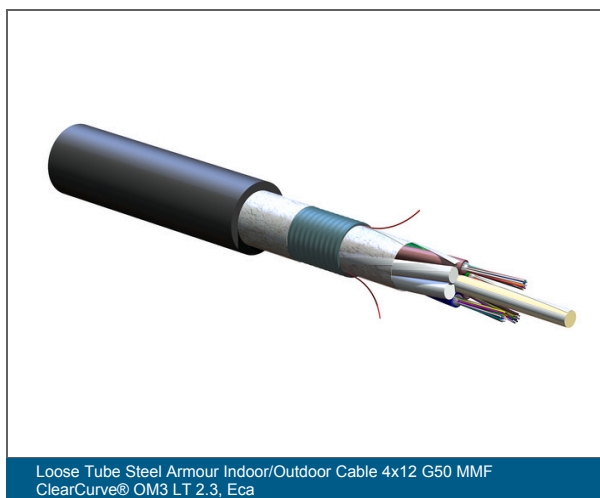
Isolates fibres from installation and environmental rigors and facilitates mid-span access

UV and microbe resistant

Can be installed in ducts or conduits and direct buried

Flame retardant

LSZH/FRNC



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Specifications

General Specifications

Cable type	Loose tube
Environment	Indoor/Outdoor
Product type	Corrugated steel armour
Fibre category	50 µm MM (OM3)
Flame rating	LSZH/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)(SR)H
Application	Direct Buried, Duct
Cable geometry	Round

Standards

Fibre Standards	TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652.D, ISO/IEC 11801 Ed.2.2
Reaction to Fire	Eca
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Design And Test Criteria	Repeated bending test according to IEC 60794-1-21 Method E6 (max. number of cycles: 15)
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 75 °C
Temperature range, storage	-40 °C to 75 °C
Temperature range, storage (stored on drum with original packing)	-40 °C to 75 °C

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Cable Design	
Cable marking	Metre - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)(SR)H 48 OM3CC LT 2.3 LSZH(TM)/FRNC
Central element	Dielectric
Fibre count	48
Number of ripcords	2
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	1.5 mm
Buffer tube colour	Blue, orange, green, brown
Buffer tube diameter	2.25 mm
Buffer tube water blocking	Thixotropic gel
Central element diameter	2.5 mm
Number of active tubes	4
Number of filling elements	2
Number of tube positions	6
Tape	Water-swellaable
Tensile strength elements and/or armouring	Corrugated steel tape armour with water-swellaable tape
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Colour Code Standards	Telcordia

Mechanical Specifications	
Crush resistance	3000 N/10 cm
Max. tensile strength for installation	2700 N
Min. bend radius installation	230 mm
Min. bend radius operation	114 mm
Nominal outer diameter	11.4 mm

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Optical Characteristics

Fibre code	T
Performance option code	88
Fibre category	OM3
Fibre Type	Multimode
Fibre name	50 µm MM (OM3)
Maximum Attenuation	3.8 dB/km / 2.0 dB/km
Wavelengths	850 nm / 1300 nm
Fibre compliance	IEC 60793-2-10
Fibre 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	155 kg/km
Max. cable length per reel/drum	4000 m



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