

Loose Tube Steel Armour Indoor/Outdoor DTC Cable

1x12 G50 MMF ClearCurve® OM2 LT 2.3

CORNING

Corning MPC (multi-purpose cable) stranded loose tube cables are flame retardant, indoor/outdoor and designed for interbuilding/intrabuilding backbones in duct and other riser applications.

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 colour 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, direct burial 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

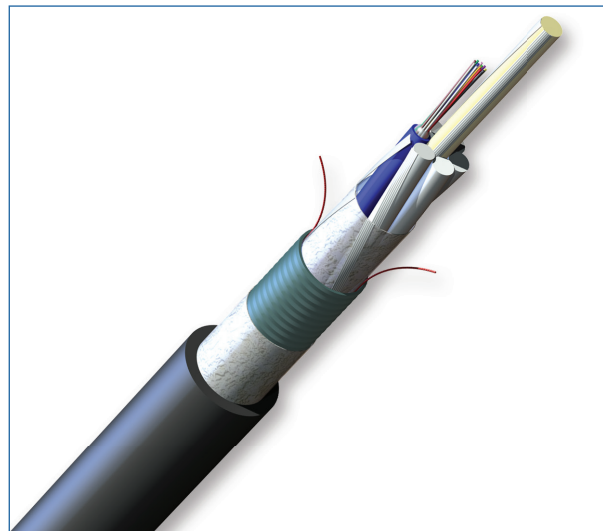
Isolates fibres from installation and environmental rigors and facilitates mid-span access

UV and microbe resistant

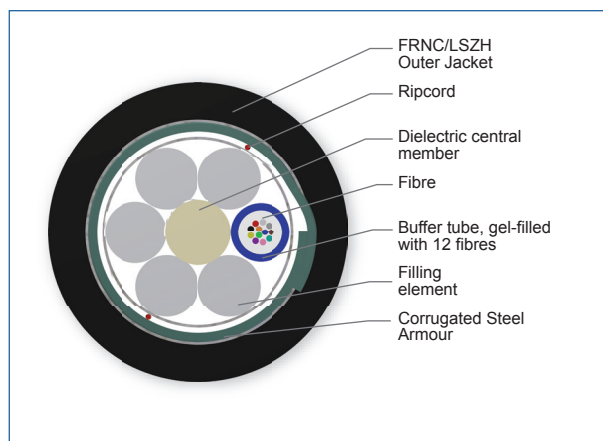
Can be installed in ducts or conduits and direct buried

Flame retardant

LSZH™/FRNC



Part Number: 012TRY-T3138H2G



Cross Section of Order Number: 012TRY-T3138H2G

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Standards

Flame Test Method	Flame retardant to IEC 60332-1-2 (single cable)
	Reaction to fire according to EN 50575 and EN 13501-6
	Zero Halogen to IEC 60754-1
	Non Corrosive to IEC 60754-2
	Low Smoke to IEC 61034
Waterblocking	IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Indoor/Outdoor Universal Cable
Application	Direct Buried, Duct, General building applications
Cable type	Loose Tube
Product type	Corrugated steel armour
Flame rating	LSZH™/FRNC
Fibre Category	50 µm MM (OM2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)(SR)H
Previous part number	FWLT01-S0012-G007-DTC
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)H
Reaction to fire	Eca

Temperature Range	
Installation and assembly	-5 °C to 50 °C
Operation	-30 °C to 75 °C
Storage	-40 °C to 75 °C stored on drum with original packing

Cable Design	
Central Element	Dielectric
Central Element Diameter	2.5 mm
Fibre Count	12

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Cable Design

Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Fibres per tube	12
Number of Tube Positions	6
Number of Active Tubes	1
Buffer tube colour coding	Blue
Buffer tube diameter	2.25 mm
Buffer tube water blocking	Thixotropic gel
Number of filling elements	5
Tape	Water-swellaable
Number of ripcords	2
Tensile strength elements and/or armouring	Corrugated steel tape armour with water-swellaable tape
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket colour	Black
Outer jacket nominal thickness	1.5 mm
Cable marking	Metre - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fibre Optic Cable - Year - U-DQ(ZN)(SR)H 12 OM2CC LT 2.3 LSZH(TM)/FRNC

Mechanical Characteristics Cable

Nominal Outer Diameter	11.4 mm
Weight	155 kg/km
Min. Bend Radius Installation	230 mm
Min. Bend Radius Operation	175 mm
Max. tensile strength for installation	2700 N
Crush resistance (reversible)	3000 N/10 cm
Fire Load	2.556 MJ/m

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre Category	OM2
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	750 m / 600 m
Serial 10 gigabit ethernet	150 m / -
Min. overfilled launch (OFL) bandwidth	700 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	950 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 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 Customer Care Representative for additional information

Ordering Information

Part Number	012TRY-T3138H2G
Product Description	Loose Tube Steel Armour Indoor/Outdoor DTC Cable 1x12 G50 MMF ClearCurve® OM2 LT 2.3, Eca
EAN Code	4042673610687

Shipping Information

Maximum delivery length	4,000 m
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