

Central Tube Steel Armour Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0

CORNING

Part Number:
012TEY-13198H2G

Corning MPC (multipurpose cable) central tube cables with corrugated steel armoring are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct, direct burial and riser applications.

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, easy identification.

The cable construction, based on a central buffer tube, is compact, light, flexible and ideal for connections requiring a moderate fiber count.

These cables are designed for installation in conduits, ducts, direct burial and in-house.

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

UV- and microbe-resistant

Can be installed in ducts or conduits

Corrugated steel armoring

Rodent, mechanical protection and direct buried applications

Small diameter and bend radius

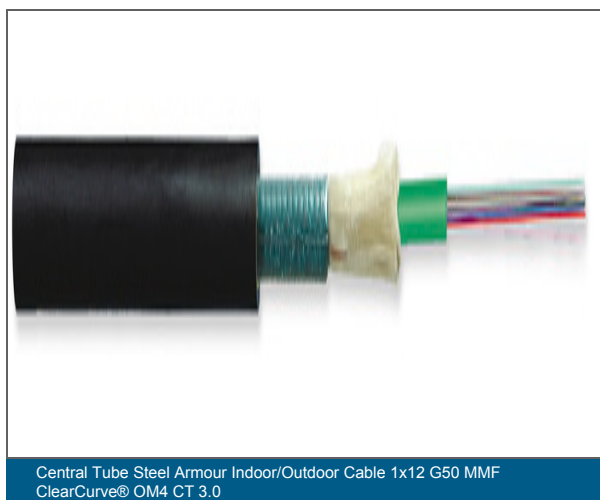
Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Flame retardant

LSZH™/FRNC



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Specifications

Mechanical Specifications

Crush resistance	2000 N/10 cm
Max. tensile strength for installation	1000 N
Min. bend radius installation	150 mm
Min. bend radius operation	110 mm
Nominal outer diameter	7.5 mm
Fire load	1.16 MJ/m

Cable Design

Cable marking	Metre - Handset - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)(SR)H 12 OM4CC CT 3.0 LSZH™/FRNC
Fibre count	12
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
Tensile strength elements and/or armouring - Layer 1	Aramid yarn with swellable elements
Buffer tube diameter	3 mm
Buffer tube water blocking	Thixotropic gel
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, storage	-40 °C to 75 °C
Temperature range, operation	-30 °C to 75 °C
Temperature range, storage (stored on drum with original packing)	-40 °C to 75 °C

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General Specifications

Environment	Indoor/Outdoor
Cable type	Single Tube
Product type	Corrugated steel armour
Fibre category	50 µm MM (OM4)
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, Vertical Riser, General Purpose Horizontal

Ordering Information

Product Number	012TEY-13198H2G
EAN Code	4042673611943
Maximum delivery length	4000 m
Weight	76 kg/km

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable), Reaction to fire according to EN 50575 and EN 13501-6, Low smoke according to IEC 61034 and zero halogen to IEC 60754-1, Non-corrosive according to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5
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
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2
Reaction to fire	Eca

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Optical Characteristics	
Fibre code	T
Fibre name	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre core diameter	50 µm
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 gigabit ethernet	1100 MHz*km / 600 MHz*km
Serial 10 gigabit ethernet	550 MHz*km / -
Typical attenuation	2.4 dB/km / 0.8 dB/km
Wavelengths	850 nm / 1300 nm
Induced Attenuation	For 7.5 mm radius < 0.2 db / -
Fibre category	OM4



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