

Central Tube Steel Armour Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM3 CT 3.0

CORNING

Part Number:
012TEY-13188H2G

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 fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres are color coded for quick, easy identification. Based on a central buffer tube, the cable construction is compact, light, flexible and ideal for connections requiring a moderate fibre count. The 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

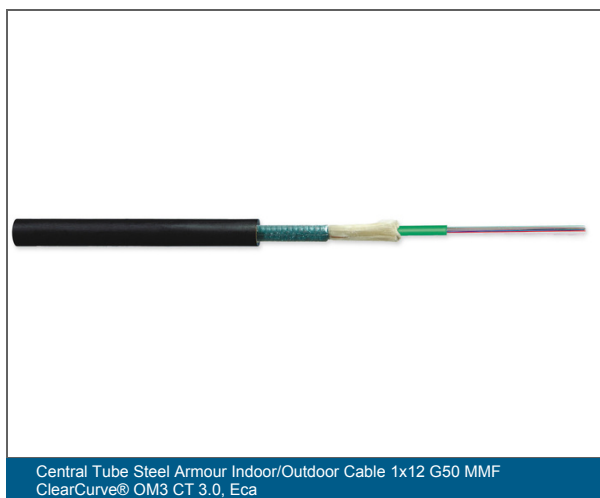
Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Flame retardant

LSZH/FRNC



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ClearCurve® OM3 CT 3.0, Eca

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Specifications

General Specifications

Cable type	Central 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, 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
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen according to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

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 12 OM3CC CT 3.0 LSZH(TM)/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
Fibres per tube	12

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

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)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km

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Optical Characteristics

Min. overfilled launch (OFL) bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 gigabit ethernet	1100 MHz*km / 600 MHz*km
Serial 10 gigabit ethernet	300 MHz*km/ 333 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	OM3

Dimensions

Cable Weight	76 kg/km
Max. cable length per reel/drum	4000 m



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