Central Tube Steel Armour Indoor/Outdoor Cable 1x6 G50 MMF ClearCurve® OM3 CT 3.0

CORNING

Part Number:
006TEY-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

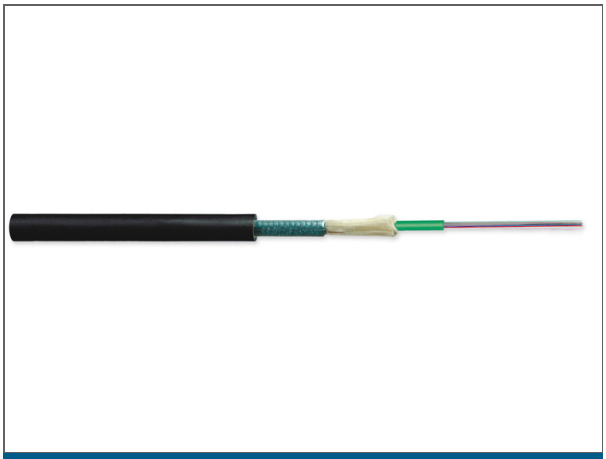
Corrugated steel armouring
Rodent, mechanical protection and direct buried applications

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

General Specifications	
Installation Methods	Direct Buried, Duct, Horizontal, Riser
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
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 75 °C
Temperature range, storage	-40 °C to 75 °C
Temperature range, storage (stored on drum with original packing)	-40 °C to 75 °C

Cable Design	
Cable marking	Metre - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)(SR)H 6 OM3CC CT 3.0 LSZH(TM)/FRNC

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Cable Design	
Fibre count	6
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
Tensile strength elements and/or armouring - Layer 2	Corrugated steel tape armour with water-swellable tape
Buffer tube diameter	3 mm
Buffer tube water blocking	Thixotropic gel
Fibre colouring	Blue, orange, green, brown, grey, white
Fibres per tube	6

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
Performance option code	88
Fibre category	OM3
Fibre Type	Multimode
Fibre name	50 µm MM (OM3)
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fibre compliance	IEC 60793-2-10

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Optical Characteristics	
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	76 kg/km
Max. cable length per reel/drum	4000 m

RoHS COMPLIANT

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