

# Central Tube Steel Armour Indoor/Outdoor Cable 1x4 G50 MMF ClearCurve® OM3 CT 3.0

CORNING

**Part Number:**  
**004TEY-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 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**

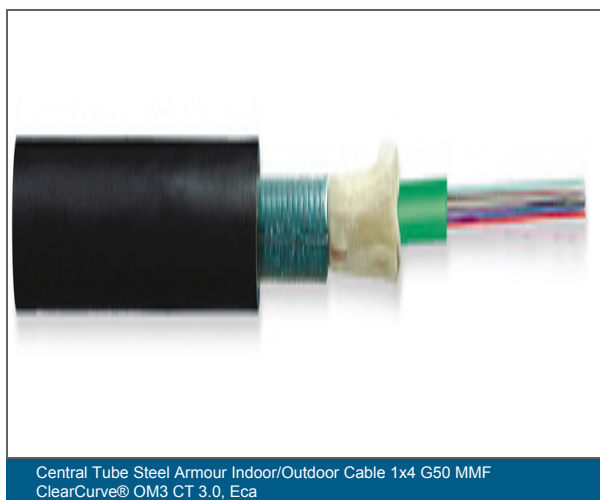
Easy installation in space-constrained areas

### **Fibres colour coding to Telcordia-Bellcore**

Easy identification of the individual fibres

### **Flame retardant**

LSZH™/FRNC



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ClearCurve® OM3 CT 3.0, Eca

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## Specifications

### Mechanical Specifications

Crush resistance	2000 N/10 cm
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	Meter - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fibre Optic Cable - Year - U-DQ(ZN)(SR)H 4 OM3CC CT 3.0 LSZH(TM)/FRNC
Fibre count	4
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

### 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 (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, Vertical Riser, General Purpose Horizontal

## Ordering Information

Product Number	004TEY-13188H2G
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

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## Standards

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



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