

# Central Tube Steel Armor Indoor/Outdoor Cable 1x8 G50 MMF ClearCurve® OM3 CT 3.0

The Corning logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font.

**Part Number:**  
**008TEY-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

**Fibers color coding to Telcordia-Bellcore**

Easy identification of the individual fibers

**Flame retardant**

LSZH/FRNC

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## Specifications

### General Specifications

Environment	Indoor/Outdoor
Cable Type	Central Tube
Product Type	Corrugated Steel Armor
Fiber 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
Fiber Count	8

### Standards

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 according to IEC 61034
Halogen content test	Zero Halogen according to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2
Reaction to fire	Eca

### 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

Fiber Count	8
Number of Ripcords	2
Outer Jacket Color	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 Armoring - Layer 1	Aramid yarn with swellable elements
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor with water-swellable tape
Buffer Tube Diameter	3 mm
Buffer Tube Water Blocking	Thixotropic Gel
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black
Fibers per Tube	8

## 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

Fiber Code	T
Fiber Name	G50/125 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber 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

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## Optical Characteristics

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 / -
Fiber Category	OM3

## Dimensions

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



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