

Corning MPC (multi-purpose 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 colour coded for quick, easy identification.

The cable construction, based on a central buffer tube, is very compact, light and 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

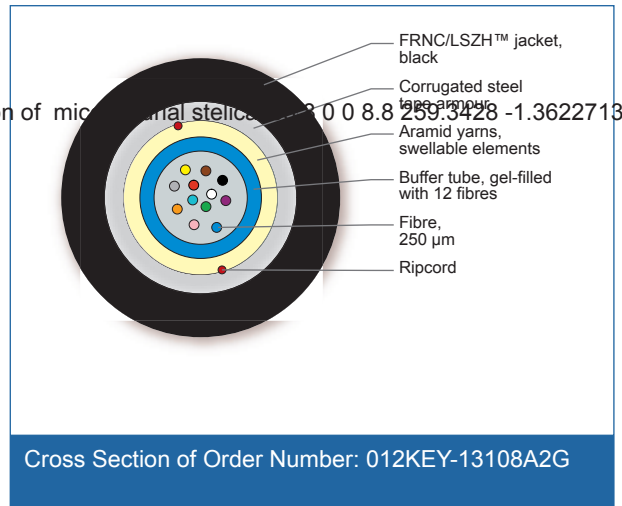
OSP (outdoor) applications

### UV- and microbe-resistant

- 78m (256ft) 8 56.6929 6513622713m (217ft) 8 259.3428 -1.3622713m (448ft) 8



Part Number: 012KEY-13108A2G



Cross Section of Order Number: 012KEY-13108A2G

# Central Tube Steel Armour Indoor/Outdoor Cable

12F G62.5 MMF InfiniCor® OM1 CT 3.0

CORNING

## Specifications

General Specifications	
Environment	Indoor / Outdoor
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Loose Tube
Product Type	Corrugated steel armour
Flame Rating	LSZH™/FRNC
Fibre category	62.5 µm MM (OM1)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)(SR)H
Previous Part Number	FWCT01-S0012-A004
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)H

Temperature Range	
Installation and Assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design	
Fibre Count	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube colour coding	blue
Buffer tube diameter	3 mm
Number of Ripcords	2
Tensile Strength Elements and/or Armouring - Layer 1	Corrugated steel tape armour with dielectric strength elements (aramid yarns) and swellable elements
Outer Jacket Material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer Jacket Colour	black
Outer Jacket Nominal Thickness	1.5 mm
Cable Marking	Meter Handset Sine CORNING Fibre Optic Cable Year U-DQ(ZN)(SR)H 12 OM1 CT 3.0 LSZH™/ FRNC

# Central Tube Steel Armour Indoor/Outdoor Cable

12F G62.5 MMF InfiniCor® OM1 CT 3.0

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## Mechanical Characteristics Cable

Nominal Outer Diameter	7.5 mm
Weight	76 kg/km
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	110 mm
Max. Tensile Strength for Installation	1000 N
Crush Resistance (reversible)	2000 N/10 cm
Fire Load	1.16 MJ/m

## Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Fibre Specifications

### Optical Characteristics (cabled)

Fibre Name	G62.5L/125 InfiniCor® 300
Fibre Core Diameter	62.5 µm
Fibre category	OM1
Fibre Code	K
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.1 dB/km / 0.8 dB/km
Typical attenuation	2.9 dB/km / 0.7 dB/km
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 600 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -

- Notes:
- 1) Improved attenuation and bandwidth options available
  - 2) Bend-insensitive single-mode fibres available on request
  - 3) Contact a Corning Customer Care Representative for additional information

# Central Tube Steel Armour Indoor/Outdoor Cable

12F G62.5 MMF InfiniCor® OM1 CT 3.0



## Ordering Information

Part Number	012KEY-13108A2G
Product Description	Central Tube Steel Armour Indoor/Outdoor Cable 12F G62.5 MMF InfiniCor® OM1 CT 3.0
EAN Code	4042673216490

## Shipping Information

Maximum Delivery Length	4,000 m
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