



# Central Tube Steel Armour Indoor/Outdoor Cable

12F G50 MMF ClearCurve® OM2 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	50 µm MM (OM2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)(SR)H
Previous Part Number	FWCT01-S0012-G004
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	green
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 OM2CC CT 3.0 LSZH™/FRNC

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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	G50/125 ULTRA-BEND 7.5
Fibre Core Diameter	50 µm
Fibre category	OM2
Fibre Code	T
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

- Notes:
- 1) 50 µm multimode fibre macrobend loss  $\leq 0.2$  dB at 850 nm for two turns around 7.5 mm radius mandrel
  - 2) Improved attenuation and bandwidth options available
  - 3) Bend-insensitive single-mode fibres available on request
  - 4) Contact a Corning Customer Care Representative for additional information

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## Ordering Information

Part Number	012TEY-13138A2G
Product Description	Central Tube Steel Armour Indoor/Outdoor Cable 12F G50 MMF ClearCurve® OM2 CT 3.0
EAN Code	4042673580614

## Shipping Information

Maximum Delivery Length	4,000 m
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