

Central Tube Steel Armour Indoor/Outdoor Cable

4F G50 MMF ClearCurve® OM2 CT 3.0

CORNING

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

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

Standards

Flame Test Method

Flame retardant to IEC 60332-1-2 (single cable)

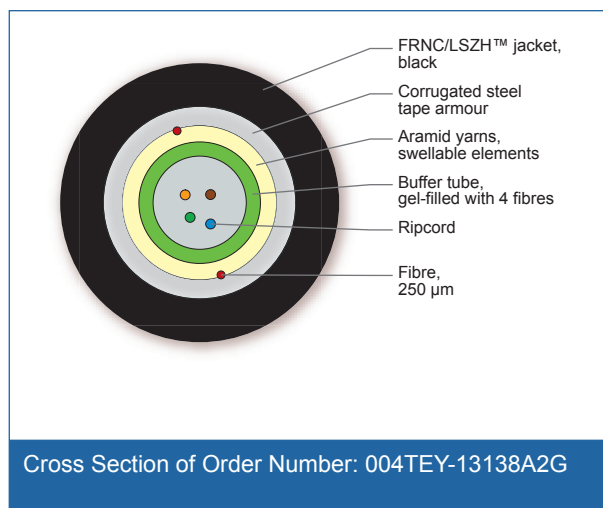
Reaction to fire according to EN 50575 and EN 13501-6

Low Smoke to IEC 61034 and Zero Halogen to IEC 60754-1

Non Corrosive to IEC 60754-2



Part Number: 004TEY-13138A2G



Cross Section of Order Number: 004TEY-13138A2G

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Standards

Waterblocking IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Indoor/Outdoor Universal Cable
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal
Cable type	Central 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-S0004-G004
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)H
Reaction to fire	Dca, s2,d2,a1

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	4
Fibre colouring	Blue, Orange, Green, Brown
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

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Cable Design

Outer jacket nominal thickness	1.5 mm
Cable marking	Metre - Handset - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fibre Optic Cable - Year - U-DQ(ZN)(SR)H 4 OM2CC CT 3.0 LSZH(TM)/FRNC

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 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre Category	OM2
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 ≤ 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	004TEY-13138A2G
Product Description	Central Tube Steel Armour Indoor/Outdoor Cable 4F G50 MMF ClearCurve® OM2 CT 3.0, Dca,s2,d2,a1
EAN Code	4042673580553

Shipping Information

Maximum delivery length	4,000 m
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