

# Central Tube Dielectric Armour Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM2 CT 3.0



**Part Number:**  
**012TEU-13138A2G**

The central tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres in are color 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 and in-house.

## Features and Benefits

### All-dielectric cable construction

Requires no grounding or bonding

### Laminated swelling glass yarns

Improved rodent resistance and longitudinal water protection

### UV- and microbe-resistant

Can be installed in ducts or conduits

### Small diameter and bend radius

Easy installation in space-constrained areas

### Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

### Waterblocking technology

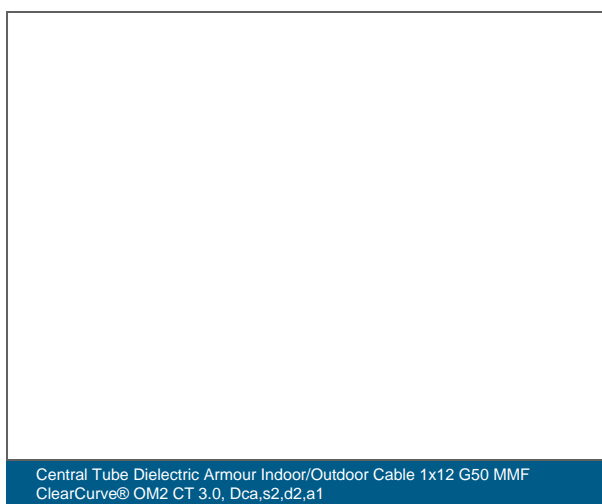
OSP (outdoor) applications

### Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

### Flame retardant

LSZH™/FRNC



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## Specifications

General Specifications	
Environment	Indoor/Outdoor
Cable type	Single Tube
Product type	Dielectric armour
Fibre category	50 µm MM (OM2)
Flame rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Application	Duct, Vertical Riser, General Purpose Horizontal

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

Environmental Conditions	
Temperature range, installation	-5 °C to 50 °C
Temperature range, storage	-25 °C to 70 °C
Temperature range, operation	-20 °C to 60 °C

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Cable Design	
Cable marking	Metre - Handset - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 12 OM2CC CT 3.0 LSZH(TM)/FRNC
Fibre count	12
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	1.2 mm
Tensile strength elements and/or armouring - Layer 1	Laminated swelling glass yarn armour
Buffer tube diameter	3 mm
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

Mechanical Specifications	
Crush resistance	1500 N/10 cm
Fire load	0.94 MJ/m
Max. tensile strength for installation	1000 N
Min. bend radius installation	130 mm
Min. bend radius operation	100 mm
Nominal outer diameter	6.6 mm

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

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## Optical Characteristics

Min. overfilled launch (OFL) bandwidth	700 MHz*km / 500 MHz*km
Serial 1 gigabit ethernet	750 MHz*km 600 MHz*km
Serial 10 gigabit ethernet	150 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	OM2

## Ordering Information

Product Number	012TEU-13138A2G
EAN Code	4042673562672
Maximum delivery length	4000 m
Weight	46 kg/km



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