# Central Tube Dielectric Armor Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0

**Part Number:**
**012TEU-13198A2G**

The central tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibers in are color coded for quick, easy identification. Based on a central buffer tube cable construction, 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 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

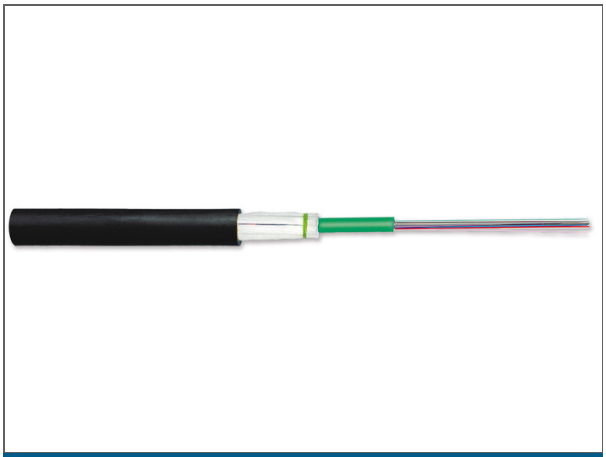
**Small diameter and bend radius**
Easy installation in space-constrained areas

**Fibers color coding to Telcordia-Bellcore**
Easy identification of the individual fibers

**Waterblocking technology**
OSP (outdoor) applications

**Silicon-free outer jacket**
The cable jacket is free of harmful to paint structures

**Flame retardant**
LSZH/FRNC



Central Tube Dielectric Armour Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0, Dca,s2,d2,a1

# Central Tube Dielectric Armor Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0

CORNING

## Specifications

| General Specifications | |
|---|---|
| Cable Type | Single Tube |
| Environment | Indoor/Outdoor |
| Product Type | Dielectric armor |
| Fiber Category | 50 µm MM (OM4) |
| Flame Rating | LSZH/FRNC |
| Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) | U-DQ(ZN)BH |
| Application | Duct, General purpose, Horizontal, Vertical Riser |
| Cable geometry | Round |

| Standards | |
|---|---|
| Reaction to fire | Dca, s2, d2, a1 |
| 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) and IEC 60332-3-24 (bunch of cables) |
| 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 |

| Environmental Conditions | |
|---|---|
| Temperature Range, Installation | -5 °C to 50 °C (23 °F to 122 °F ) |
| Temperature Range, Operation | -20 °C to 60 °C (-4 °F to 140 °F ) |
| Temperature Range, Storage | -25 °C to 70 °C (-13 °F to 158 °F ) |

# Central Tube Dielectric Armor Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0

CORNING

| Cable Design | |
|---|---|
| Cable Marking | "Meter - Handset - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 12 OM4CC CT 3.0 LSZH(TM)/FRNC" |
| Fiber Count | 12 |
| Number of Ripcords | 1 |
| Outer Jacket Color | 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 Armoring - Layer 1 | Laminated swelling glass yarn armor |
| Buffer Tube Diameter | 3 mm |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Fibers per Tube | 12 |

| Mechanical Specifications | |
|---|---|
| Crush Resistance | 1500 N/10 cm |
| 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 | |
|---|---|
| Fiber Code | T |
| Fiber Name | G50/125 ULTRA-BEND 7.5 |
| Fiber Type | Multimode |
| Fiber Core Diameter | 50 µm |
| Minimum Effective Modal Bandwidth (EMB) | 4700 MHz*km / - |
| Maximum Attenuation | 2.8 dB/km / 1.0 dB/km |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz*km / 500 MHz*km |

# Central Tube Dielectric Armor Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0

| Optical Characteristics | |
|---|---|
| Serial 1 Gigabit Ethernet | 1100 MHz*km / 600 MHz*km |
| Serial 10 Gigabit Ethernet | 550 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 | OM4 |

| Dimensions | |
|---|---|
| Cable Weight | 46 kg/km |
| Max. cable length per reel/drum | 4000 m |

RoHS COMPLIANT

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