

Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x8 G50 MMF ClearCurve® OM4 CT 3.0

CORNING

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 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 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

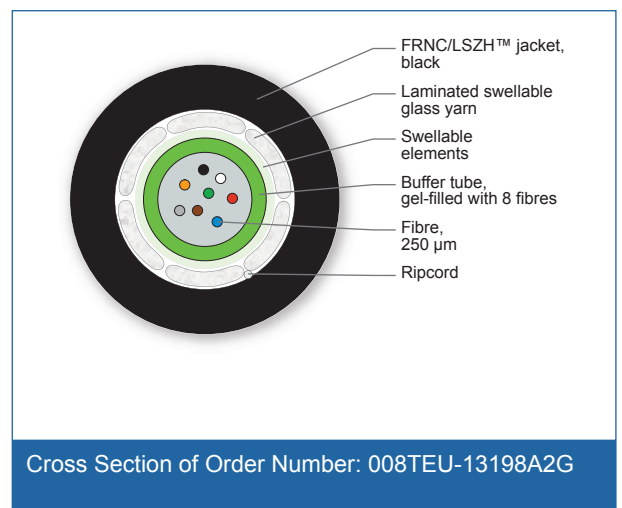
OSP (outdoor) applications

Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

Standards

| | |
|--------------------------|---|
| Flame Test Method | Flame retardant to IEC 60332-1-2 (single cable) |
| | Low Smoke to IEC 61034 |
| | Zero Halogen to IEC 60754-1 |
| | Non Corrosive to IEC 60754-2 |
| Waterblocking | IEC 60794-1-2 F5 |



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Specifications

| General Specifications | |
|---|--|
| Environment | Indoor / Outdoor |
| Application | Duct, Vertical Riser, General Purpose Horizontal |
| Cable Type | Loose Tube |
| Product Type | Dielectric armour |
| Flame Rating | LSZH™/FRNC |
| Fibre category | 50 µm MM (OM4) |
| Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) | U-DQ(ZN)BH |
| Previous Part Number | LCXLM1-K0008-K700 |
| Previous coding following DIN VDE 0888-3 | A-DQ(BN)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 | 8 |
| Fibre colouring | Blue, orange, green, brown, grey, white, red, black |
| Buffer tube diameter | 3 mm |
| Buffer tube colour | green |
| Tensile Strength Elements and/or Armouring - Layer 1 | Laminated swelling glass yarn armour |
| Number of Ripcords | 1 |
| Outer Jacket Material | Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material |
| Outer Jacket Colour | black |
| Outer Jacket Nominal Thickness | 1.2 mm |
| Cable Marking | Meter Handset Sine CORNING Fibre Optic Cable Year U-DQ(ZN)BH 8 OM4CC CT 3.0 LSZH™/ FRNC |

| Mechanical Characteristics Cable | |
|----------------------------------|----------|
| Nominal Outer Diameter | 6.6 mm |
| Weight | 46 kg/km |

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Mechanical Characteristics Cable

| | |
|--|--------------|
| Min. Bend Radius Installation | 130 mm |
| Min. Bend Radius Operation | 100 mm |
| Max. Tensile Strength for Installation | 1000 N |
| Crush Resistance (reversible) | 1500 N/10 cm |
| Fire Load | 0.94 MJ/m |

Chemical characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2002/95/EG |
|------|---|

Fibre Specifications

Optical Characteristics (cabled)

| | |
|---|--------------------------|
| Fibre Name | G50/125 ULTRA-BEND 7.5 |
| Fibre Core Diameter | 50 µm |
| Fibre category | OM4 |
| 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 | 1100 m / 600 m |
| Serial 10 Gigabit Ethernet | 550 m / - |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 4700 MHz*km / - |
| Induced attenuation @ 7.5 mm radius | < 0.2 dB / - |

- Notes:
- 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/Pretium EDGE® systems solutions.
 - 2) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
 - 3) Improved attenuation and bandwidth options available
 - 4) Bend-insensitive single-mode fibres available on request
 - 5) Contact a Corning Customer Care Representative for additional information

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Ordering Information

| | |
|---------------------|--|
| Part Number | 008TEU-13198A2G |
| Product Description | Central Tube Dielectric Armour Indoor/Outdoor Cable 1x8 G50 MMF ClearCurve® OM4 CT 3.0 |
| EAN Code | 4042673562641 |

Shipping Information

| | |
|-------------------------|---------|
| Maximum Delivery Length | 4,000 m |
|-------------------------|---------|



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