

Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM3 LT 2.3

CORNING

Part Number:
048TRU-T3188A2G

Corning MPC (multipurpose cable) stranded loose tube cables are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct and riser applications.

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

The SZ-stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access.

These cables are designed for installation in conduits, ducts and in-house.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

UV- and microbe-resistant

Can be installed in ducts or conduits

Waterblocking technology

OSP (outdoor) applications

Dry core

Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications

Laminated glass yarns

For improved rodent resistance

Fibres/buffer tubes colour coded to Telcordia-Bellcore

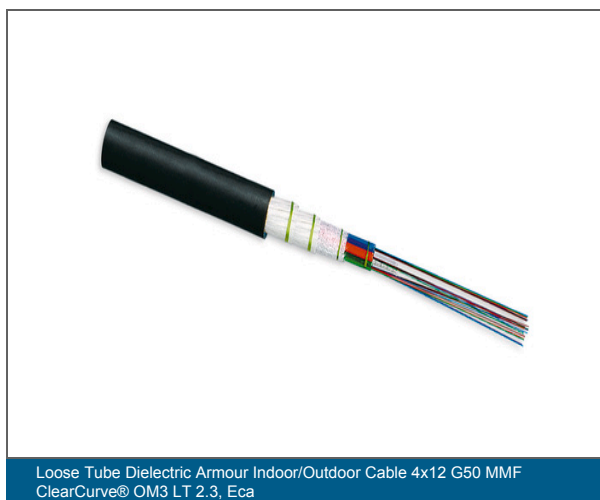
Easy identification of the individual tubes and fibres

Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

Flame retardant

LSZH™/FRNC



Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM3 LT 2.3



Specifications

| Mechanical Specifications | |
|-------------------------------|--------------|
| Crush resistance | 2000 N/10 cm |
| Min. bend radius installation | 215 mm |
| Min. bend radius operation | 160 mm |
| Nominal outer diameter | 10.9 mm |

| Cable Design | |
|--|---|
| Cable marking | Meter - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 48 OM3CC LT 2.3 LSZH(TM)/FRNC |
| Central element | Dielectric |
| Fibre count | 48 |
| Buffer tube colour coding | Blue, orange, green, brown |
| 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 | 1.5 mm |
| Tensile strength elements and/or armouring - Layer 1 | Laminated glass yarn armour |
| Buffer tube colour | Blue, orange, green, brown |
| Buffer tube diameter | 2.25 mm |
| Central element diameter | 2.5 mm |
| Filling element colour | Natural |
| Number of active tubes | 4 |
| Number of filling elements | 2 |
| Number of tube positions | 6 |
| Tape | Water-swellable |
| Fibre colouring | Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise |
| Fibres per tube | 12 |

Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM3 LT 2.3

CORNING

Environmental Conditions

| | |
|---------------------------------|-----------------|
| Temperature range, installation | -5 °C to 50 °C |
| Temperature range, operation | -30 °C to 70 °C |
| Temperature range, storage | -40 °C to 70 °C |

General Specifications

| | |
|---|--|
| Environment | Indoor/Outdoor |
| Cable type | Loose tube |
| Product type | Dielectric armour |
| Fibre category | 50 µm MM (OM3) |
| 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 |

Ordering Information

| | |
|-------------------------|-----------------|
| Product Number | 048TRU-T3188A2G |
| EAN Code | 4056418100975 |
| Maximum delivery length | 4000 m |
| Weight | 117 kg/km |

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 13501-6Low smoke according to IEC 61034 and zero halogen to IEC 60754-1Non-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) |

Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM3 LT 2.3



| Standards | |
|-------------------------------|---|
| 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 |
| Reaction to fire | Eca |

| 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) | 2000 MHz*km / - |
| Maximum Attenuation | 2.8 dB/km / 1.0 dB/km |
| Min. overfilled launch (OFL) bandwidth | 1500 MHz*km / 500 MHz*km |
| Serial 1 gigabit ethernet | 1100 MHz*km / 600 MHz*km |
| Serial 10 gigabit ethernet | 300 MHz*km/ 333 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 | OM3 |

Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM3 LT 2.3

The CORNING logo is a dark blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

Corning Optical Communications GmbH & Co. KG • Lelpziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2021 Corning Optical Communications. All rights reserved.