

MIC® Tight Buffer Indoor Cable 6F G50 MMF ClearCurve® OM3 0.9mm TB3, Cca-s1a,d1,a1



Part Number:
006T8Z-32188E2G

Corning LANscape® indoor cables can be deployed indoor as building backbone (riser) cabling as well as for the cabling between floor distributors.

The tight-buffered construction facilitates easier termination for low-fiber-count applications in the local area network (LAN) and eliminates need for fan-out kits.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

Small diameter and bend radius

Easy installation in space-constrained areas

TB3 tight-buffered construction

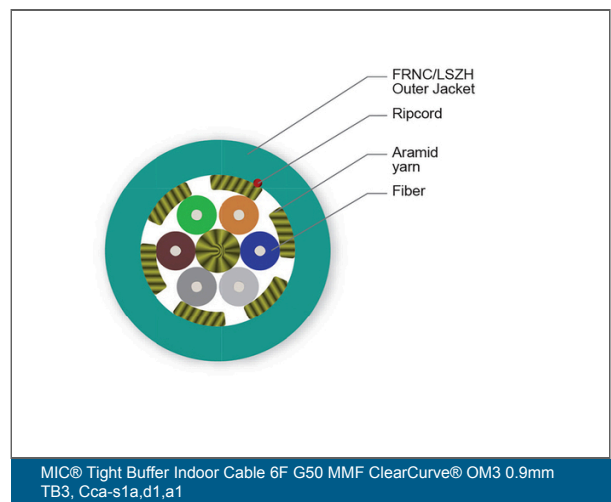
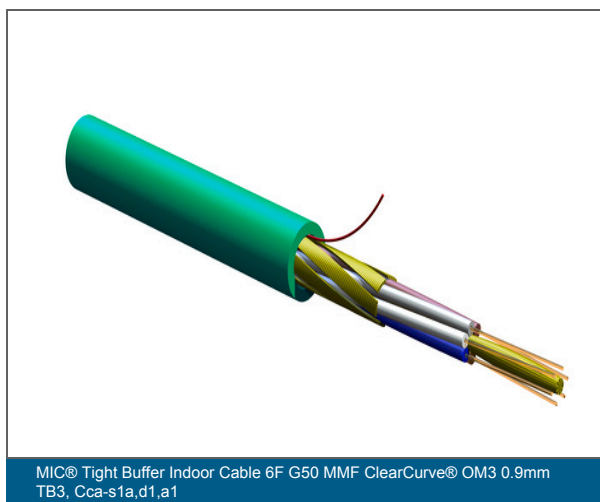
Easy and consistent stripping over 10 cm

Silicon-free outer jacket

The cable jacket and the outer jacket of subunits (not valid for 900 µm tight buffers) are free of harmful components to paint structures

Flame retardant

LSZH™/FRNC



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Specifications

Mechanical Specifications

| | |
|--|--------------|
| Crush resistance | 1000 N/10 cm |
| Fire load | 0.48 MJ/m |
| Max. tensile strength for installation | 600 N |
| Min. bend radius installation | 77 mm |
| Min. bend radius operation | 51 mm |
| Nominal outer diameter | 5.1 mm |

Cable Design

| | |
|--|--|
| Cable marking | Metre - Handset - CE 17 EN 50575 Cca-s1a,d1,a1 - Sine - CORNING - Fiber Optic Cable - Year - MIC(R) J-V(ZN)H 6 OM3CC TB3 0.9 LSZH(TM)/FRNC |
| Central element | Yarn |
| Fibre count | 6 |
| Number of ripcords | 1 |
| Outer jacket colour | Turquoise |
| Buffering diameter | 900 µm |
| Outer jacket material | Flame-retardant, non-corrosive/low-smoke, silicon-free, zero-halogen (FRNC/LSZH) material |
| Tensile strength elements and/or armouring - Layer 1 | Aramid yarn |
| Tight buffer type | TB3 (easy strip up to 10 cm) |
| Flame rating | LSZH™/FRNC |

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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General Specifications

| | |
|---|--|
| Environment | Indoor |
| Cable type | Tight-buffered |
| Product type | Dielectric |
| Fibre category | 50 µm MM (OM3) |
| Flame rating | LSZH™/FRNC |
| Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) | J-V(ZN)H |
| Application | Vertical Riser, General Purpose Horizontal, Indoor horizontal, General building applications |

Ordering Information

| | |
|-------------------------|-----------------|
| Product Number | 006T8Z-32188E2G |
| EAN Code | 4056418099354 |
| Maximum delivery length | 4000 m |
| Weight | 25 kg/km |

Standards

| | |
|-------------------------------|--|
| Reaction to fire | Cca, s1a, d1, a1 |
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
| 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 to IEC 61034 |
| Halogen content test | Zero Halogen to IEC 60754-1 |
| Level of corrosion | Non-corrosive according to IEC 60754-2 |

Optical Characteristics

| | |
|------------|------------------------|
| Fibre code | T |
| Fibre name | G50/125 ULTRA-BEND 7.5 |

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| Optical Characteristics | |
|---|--------------------------------|
| 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 |



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