

MIC® Tight-Buffered Cable, Plenum 8 F, 50 µm multimode (OM3)



Part Number:
008T88-31180-29

Corning MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket. The all-dielectric cable construction requires no grounding or bonding. MIC plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC plenum cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

Features and Benefits

900 µm buffered fibers

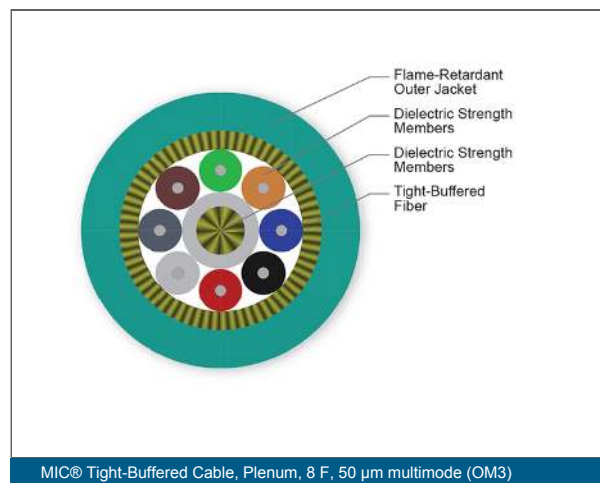
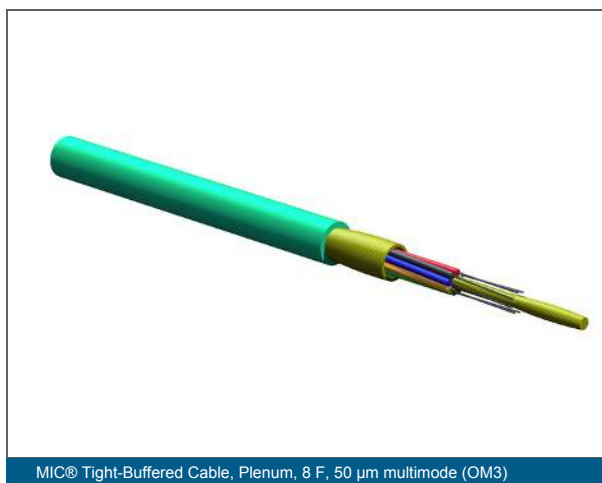
Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



MIC® Tight-Buffered Cable, Plenum 8 F, 50 µm multimode (OM3)



Specifications

| General Specifications | |
|------------------------|--|
| Environment | Indoor |
| Cable Type | Tight-Buffered |
| Product Type | Distribution |
| Fiber Category | 50 µm MM (OM3) |
| Flame Rating | Plenum (OFNP) |
| Application | General Purpose Horizontal, Plenum, Vertical Riser |
| Fiber Count | 8 |

| Standards | |
|------------------------|--|
| Approvals and Listings | National Electrical Code® (NEC®) OFNP, NFPA 262, CSA FT-6, ICEA S-83-596 |
| Flame Test Method | NFPA 262 and CSA FT-6 (for plenum, riser and general building applications), ICEA S-83-596 |

| Environmental Conditions | |
|---------------------------------|-------------------------------------|
| Temperature Range, Installation | 0 °C to 60 °C (32 °F to 140 °F) |
| Temperature Range, Operation | 0 °C to 70 °C (32 °F to 158 °F) |
| Temperature Range, Storage | -40 °C to 70 °C (-40 °F to 158 °F) |

| Cable Design | |
|---|--|
| Central Element | Yarn |
| Fiber Count | 8 |
| Outer Jacket Color | Aqua |
| Outer Jacket Material | Flame-retardant |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Tight Buffer Color | Blue, Orange, Green, Brown, Slate, White, Red, Black |

MIC® Tight-Buffered Cable, Plenum 8 F, 50 µm multimode (OM3)



Cable Design

| | |
|--------------|---------------|
| Flame Rating | Plenum (OFNP) |
|--------------|---------------|

Mechanical Specifications

| | |
|---|--------------------|
| Max. Tensile Strength, Long-Term, ≤12F | 132 N (29.67 lbf) |
| Max. Tensile Strength, Long-Term, >12F | 200 N (44.96 lbf) |
| Max. Tensile Strength, Short-Term, ≤12F | 440 N (98.92 lbf) |
| Max. Tensile Strength, Short-Term, >12F | 660 N (148.37 lbf) |
| Min. Bend Radius Installation | 89 mm (3.5 in) |
| Min. Bend Radius Operation | 59 mm (2.32 in) |
| Nominal Outer Diameter | 5.9 mm (0.23 in) |

Optical Characteristics

| | |
|---|--------------------------|
| Fiber Code | T |
| Fiber Type | Multimode |
| Performance Option Code | 80 |
| Fiber 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 | 1000 MHz*km / 600 MHz*km |
| Serial 10 Gigabit Ethernet | 300 MHz*km / - |
| Wavelengths | 850 nm / 1300 nm |
| Fiber Category | OM3 |

Ordering Information

| | |
|----------------|-----------------|
| Product Number | 008T88-31180-29 |
| EAN Code | 4056418177212 |

MIC® Tight-Buffered Cable, Plenum 8 F, 50 µm multimode (OM3)



Ordering Information

Weight

30 kg/km (20.16 lb/1000 ft)



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2023 Corning Optical Communications. All rights reserved.