

MIC[®] 250 Interconnect Cable, Plenum

8 F, 50 μm multimode (OM2)

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Corning MIC[®] 250 cables utilize 250 μm color-coded optical fibers surrounded by dielectric strength members with a flexible, flame-retardant outer jacket. These cables are ideal for creating multifiber preconnectorized assemblies as the 12-fiber groupings enable efficient compatibility with multifiber connectors. The flexible, flame-retardant jacket and non-preferential bend axis allow easy installation in space-constrained areas. The core is protected by a flexible, spirally-wrapped, aluminum interlocking armor that offers easy, one-step installation.

This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Color-coded fibers

Quick and easy identification

12-fiber groupings

Compatibility with multifiber connectors

All-dielectric construction

Requires no grounding or bonding

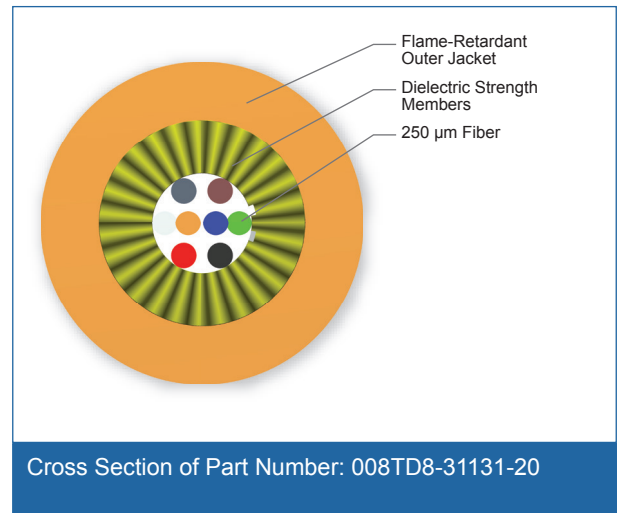
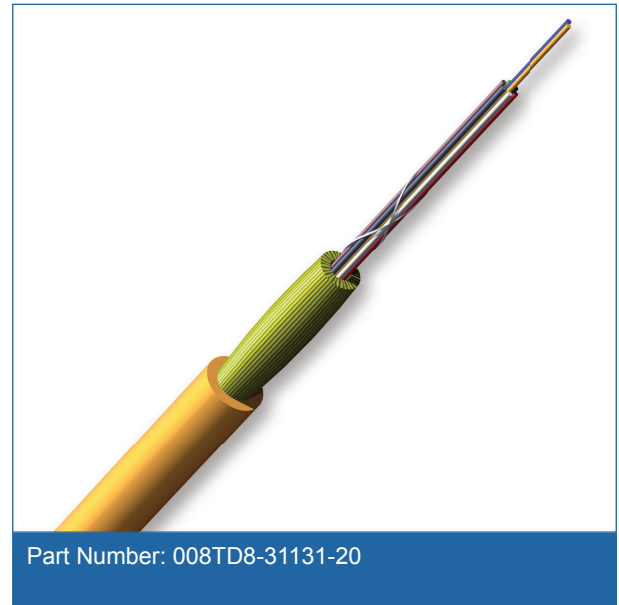
Standards

Approvals and Listings

National Electrical Code[®]
(NEC[®]) OFNP, CSA FT-6,
ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



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Specifications

| General Specifications | |
|------------------------|--|
| Environment | Indoor |
| Application | General Purpose Horizontal, Vertical Riser, Plenum |
| Cable Type | Loose Tube |
| Product Type | Interconnect |
| Flame Rating | Plenum (OFNP) |
| Fiber Category | 50 µm MM (OM2) |

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

| Cable Design | |
|---|--|
| Fiber Count | 8 |
| Fibers per Subunit | 8 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Orange |

| Mechanical Characteristics Cable | |
|-----------------------------------|----------------------------|
| Weight | 9.4 kg/km (6.3 lb/1000 ft) |
| Nominal Outer Diameter | 3.3 mm (0.13 in) |
| Max. Tensile Strength, Short-Term | 220 N (50 lbf) |
| Max. Tensile Strength, Long-Term | 73 N (16 lbf) |
| Min. Bend Radius Installation | 50 mm (2.0 in) |
| Min. Bend Radius Operation | 17 mm (0.7 in) |

| Chemical Characteristics | |
|--------------------------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |

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Fiber Specifications

| Optical Characteristics (cabled) | |
|---|-------------------------|
| Fiber Core Diameter | 50 µm |
| Fiber Category | OM2 |
| Fiber Code | T |
| Performance Option Code | 31 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.0 dB/km / 1.0 dB/km |
| Serial 1 Gigabit Ethernet | 750 m / 500 m |
| Serial 10 Gigabit Ethernet | 150 m / - |
| Min. Overfilled Launch (OFL) Bandwidth | 700 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 950 MHz*km / - |

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Customer Care Representative for additional information.

Ordering Information

| | |
|---------------------|---|
| Part Number | 008TD8-31131-20 |
| Product Description | MIC [®] 250 Interconnect Cable, Plenum, 8 F, 50 µm multimode (OM2) |
| EAN Code | 4056418162041 |



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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