

# MIC<sup>®</sup> 250 Interconnect Cable, Plenum

8 F, 50 μm multimode (OM3)

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Corning MIC<sup>®</sup> 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

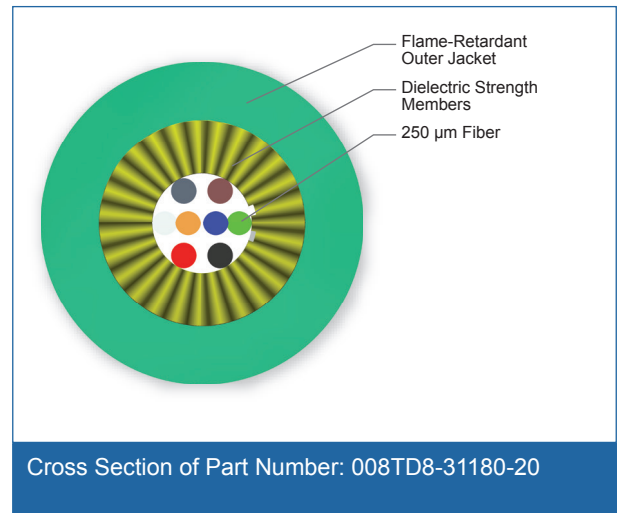
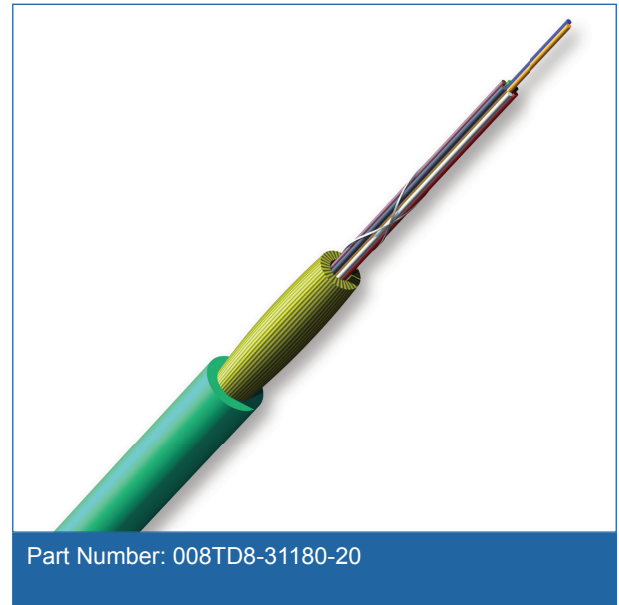
## Standards

### Approvals and Listings

National Electrical Code<sup>®</sup>  
(NEC<sup>®</sup>) 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 (OM3)

### 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
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	Aqua
Fibers per Subunit	8

### 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	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -

\* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

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	008TD8-31180-20
Product Description	MIC <sup>®</sup> 250 Interconnect Cable, Plenum, 8 F, 50 µm multimode (OM3)
EAN Code	4056418160559



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