

MIC™ 250 2.0 Indoor Cable 48 F, 50 µm multimode (OM3), Plenum Interlocking Armor

CORNING

Part Number:
048TD9-T1380-MA

Corning MIC® 250 2.0 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 splicing 250 µm to 250 µm fibers. The small design allows for the cable to be used as an alternative to traditional indoor cable when a smaller diameter is required. The flexible, flame-retardant jacket and non-preferential bend axis allow easy installation in space-constrained areas, and the all-dielectric cable construction requires no grounding or bonding.

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, with the standard jacket color will be determined by the dominant fiber type in the cable.

Features and Benefits

Color-coded fibers

Quick and easy identification

Subunitized with 12 fiber groupings

Easily ribbonized for mass fusion splicing

No preferential bend

Easily routable in space constrained environments

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Specifications

General Specifications

Installation Methods	Horizontal, Plenum, Riser
Cable Type	Loose Tube
Environment	Indoor
Product Type	Interlocking Armor
Fiber Category	50 µm MM (OM3)
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Design and Test Criteria	ANSI/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	Dielectric
Fiber Count	48
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tensile Strength Elements and/or Armoring - Layer 2	Interlocking Armor
Buffer Tube Diameter	2 mm (0.08 in)
Number of Active Tubes	4

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Cable Design

Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications

Max. Tensile Strength, Short-Term	660 N (148.37 lbf)
Min. Bend Radius Installation	237.9 mm (9.37 in)
Min. Bend Radius Operation	158.6 mm (6.24 in)
Nominal Outer Diameter	15.9 mm (0.63 in)

Optical Characteristics

Fiber Code	T
Performance Option Code	80
Fiber Category	OM3
Fiber Type	Multimode
Fiber Name	50 µm MM (OM3)
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fiber Compliance	IEC 60793-2-10
Fiber Core Diameter	50 µm
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km

Dimensions

Cable Weight	174.71 kg/km (117.4 lb/1000 ft)
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The Corning logo is a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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