

MIC® Tight-Buffered Cable, Riser 2 F, 50 µm multimode (OM3)



Part Number:
002T81-31180-24

Corning MIC® riser cables are designed for use in riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to enable easy, consistent stripping and 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, making these cables ideal for routing inside buildings including riser shafts, to the telecommunications rooms and workstations. The MIC Riser Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed for riser and general-purpose use.

Features and Benefits

900 µm buffered fibers

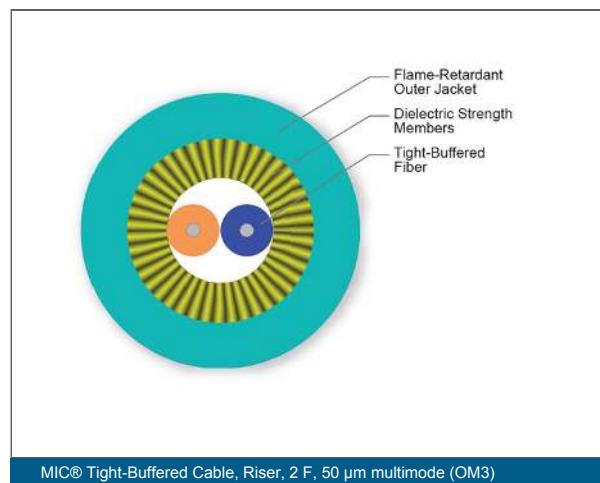
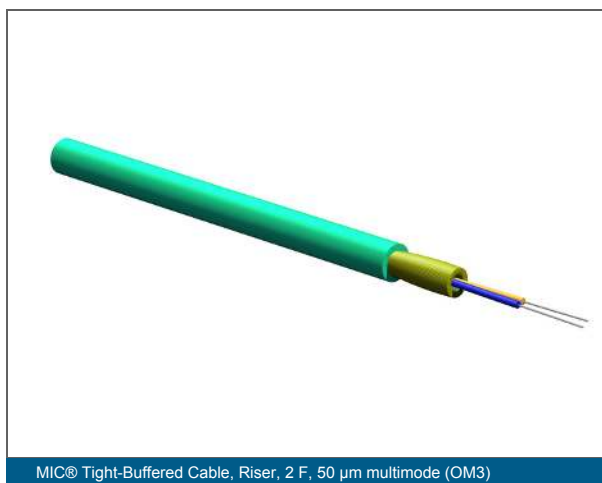
Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



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Specifications

General Specifications	
Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	50 µm MM (OM3)
Flame Rating	Riser (OFNR)
Application	General Purpose Horizontal, Vertical Riser
Fiber Count	2

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR, UL 1666, CSA FT-4, ICEA S-83-596
Flame Test Method	UL-1666 and CSA FT-4 (for riser and general building applications), ICEA S-83-596

Environmental Conditions	
Temperature Range, Installation	-10 °C to 60 °C (14 °F to 140 °F)
Temperature Range, Operation	-20 °C to 70 °C (-4 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Central Element	Yarn
Fiber Count	2
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members

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Cable Design	
Tight Buffer Color	Blue, Orange
Flame Rating	Riser (OFNR)

Mechanical Specifications	
Max. Tensile Strength, Long-Term, ≤12F	200 N (44.96 lbf)
Max. Tensile Strength, Long-Term, >12F	400 N (89.92 lbf)
Max. Tensile Strength, Short-Term, ≤12F	660 N (148.37 lbf)
Max. Tensile Strength, Short-Term, >12F	1320 N (296.75 lbf)
Min. Bend Radius Installation	64.5 mm (2.54 in)
Min. Bend Radius Operation	43 mm (1.69 in)
Nominal Outer Diameter	4.3 mm (0.17 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	002T81-31180-24

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Ordering Information	
EAN Code	4056418180762
Weight	147 kg/km (98.78 lb/1000 ft)



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