MIC® Tight-Buffered Cable, Riser 6 F, Single-mode (OS2)

CORNING

Part Number:
006E81-31131-24

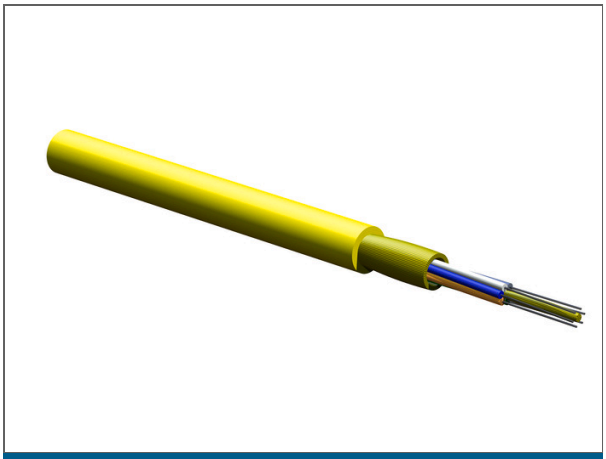
Corning MIC® riser cables are designed for use in riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to enable easy, consistent stripping and facilitate termination. The fibers are surrounded by dielectric 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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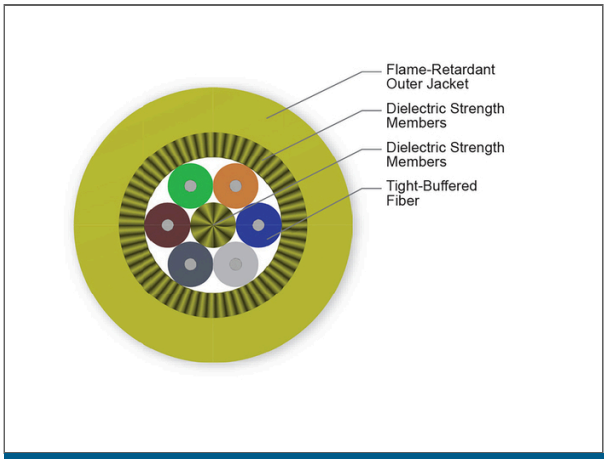

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Specifications

General Specifications	
Cable Type	Tight-Buffered
Environment	Indoor
Product Type	Distribution
Fiber Category	Single-mode (OS2)
Flame Rating	Riser (OFNR)
Application	General purpose, Horizontal, Vertical Riser
Cable geometry	Round

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
Design and Test Criteria	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	6
Outer Jacket Color	Yellow
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

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Cable Design	
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	76.5 mm (3.01 in)
Min. Bend Radius Operation	51 mm (2.01 in)
Nominal Outer Diameter	5.1 mm (0.2 in)

Optical Characteristics	
Fiber Code	E
Performance Option Code	31
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D

Dimensions	
Cable Weight	211 kg/km (141.79 lb/1000 ft)

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