

MIC® Unitized Tight-Buffered Cable, Riser 48 F, Single-mode (OS2)

CORNING

Part Number:
048E81-61131-24

Corning MIC® unitized riser cables are designed for use in riser and general purpose environments for intrabuilding backbone installations. These multifiber cables use individually jacketed 900 µm buffered fibers enabling easy, consistent stripping and facilitating termination. The 6-, 12-, or 24-fiber subunits allow quick and easy identification and 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 Unitized 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.

Features and Benefits

6-fiber jacketed subunits

Quick and easy identification

900 µm buffered fibers

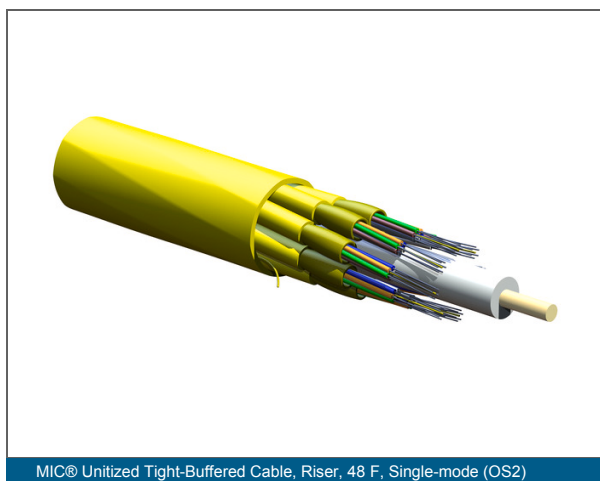
Easy, consistent stripping

All-dielectric construction

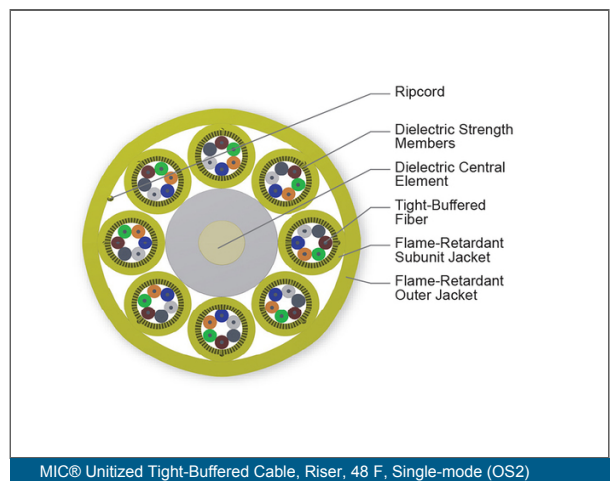
Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



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Specifications

General Specifications

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

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR, 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	Jacketed GRP
Fiber Count	48
Number of Ripcords	9
Outer Jacket Color	Yellow
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Fibers per Subunit	6

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Cable Design

Number of Active Tubes	8
Subunit Color	Yellow
Subunit Diameter	4.4 mm (0.17 in)
Tight Buffer Color Subunit	Blue, Orange, Green, Brown, Slate, White
Flame Rating	Riser (OFNR)

Mechanical Specifications

Max. Tensile Strength, Short-Term	1320 N (296.75 lbf)
Min. Bend Radius Installation	267 mm (10.51 in)
Min. Bend Radius Operation	178 mm (7.01 in)
Nominal Outer Diameter	17.8 mm (0.7 in)

Optical Characteristics

Fiber Code	E
Fiber Name	SMF-28e+® fiber
Fiber Type	Single-mode
Performance Option Code	31
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D

Dimensions

Cable Weight	2.584 kg/km (1.74 lb/1000 ft)
Length	0 mm (0 in)

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The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid blue square.

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