

# MIC® Tight-Buffered Cable, Riser 4 F, 62.5 μm multimode (OM1)



**Part Number:**  
**004K81-31130-24**

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

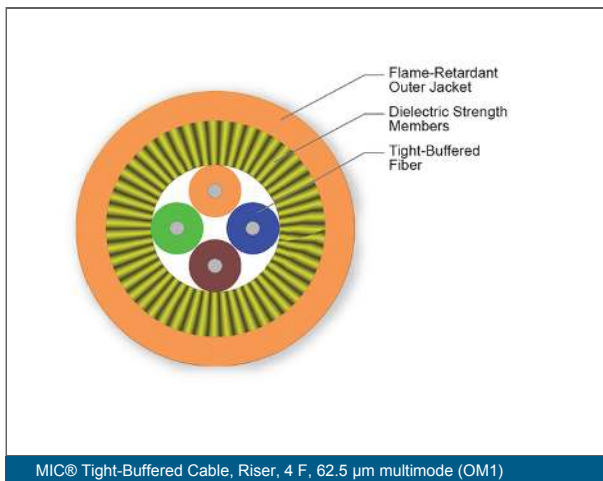
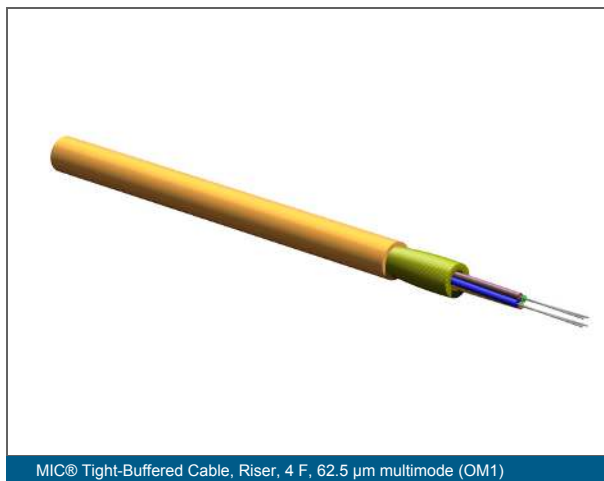
Easy, consistent stripping

### 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	62.5 µm MM (OM1)
Flame Rating	Riser (OFNR)
Application	General Purpose Horizontal
Fiber Count	4

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	4
Outer Jacket Color	Orange
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, Green, Brown
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	69 mm (2.72 in)
Min. Bend Radius Operation	46 mm (1.81 in)
Nominal Outer Diameter	4.6 mm (0.18 in )

Optical Characteristics	
Fiber Code	K
Fiber Name	62.5 µm MM (OM1)
Performance Option Code	30
Fiber Core Diameter	62.5 µm
Minimum Effective Modal Bandwidth (EMB)	220 MHz
Maximum Attenuation	3.4 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	200 MHz / 500 MHz
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM1

Ordering Information	
Product Number	004K81-31130-24

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Ordering Information	
EAN Code	4056418191317
Weight	1.76 kg/km (1.18 lb/1000 ft)



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