

MIC® Tight-Buffered, Interlocking Armored Cable, Riser 24 F, 62.5 µm multimode (OM1)

CORNING

Part Number: 024K81-33130-A1

Corning MIC® interlocking armored riser cables are designed for use in intrabuilding backbone and horizontal installations. They use individually jacketed 900 µm buffered fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into 6-, 12-, or 24-fiber jacketed subunits and surrounded by a dielectric central member. The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and up to six times the crush protection of non-interlocking armored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables. 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. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Flexible, interlocking armor design

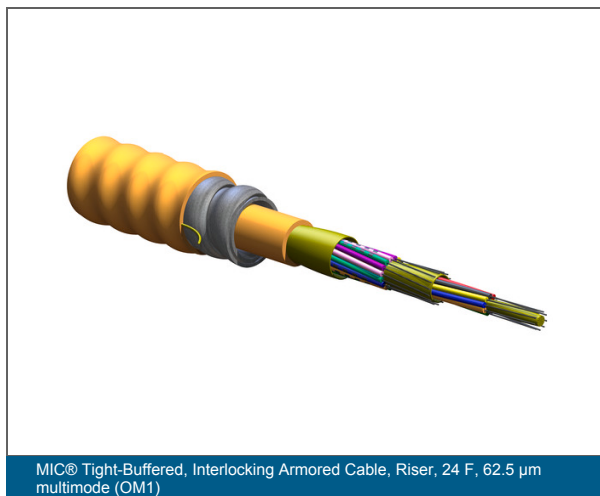
Six times crush protection

Buffered fibers

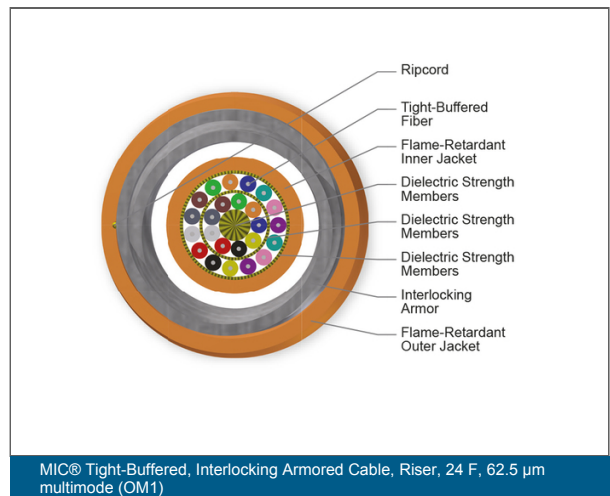
Easy, consistent stripping

Flame-retardant jacket

Rugged and durable



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Specifications

General Specifications

Cable Type	Tight-Buffered
Environment	Indoor
Product Type	Interlocking Armor
Fiber Category	62.5 µm MM (OM1)
Flame Rating	Riser (OFCR)
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®) OFCR, 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	24
Number of Ripcords	2
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

Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Interlocking Armor
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Tight Buffer Color, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White *, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Flame Rating	Riser (OFCR)

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	206 mm (8.11 in)
Min. Bend Radius Operation	137 mm (5.39 in)
Nominal Inner Cable Diameter	7.35 mm (0.29 in)
Nominal Outer Diameter	13.7 mm (0.54 in)

Optical Characteristics

Fiber Code	K
Fiber Name	62.5 µm MM (OM1)
Fiber Type	Multimode
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 / -

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Optical Characteristics	
Wavelengths	850 nm / 1300 nm
Fiber Category	OM1

Dimensions	
Cable Weight	1401 kg/km (941.43 lb/1000 ft)
Length	0 mm (0 in)



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