

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

CORNING

Part Number:
006E81-31131-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

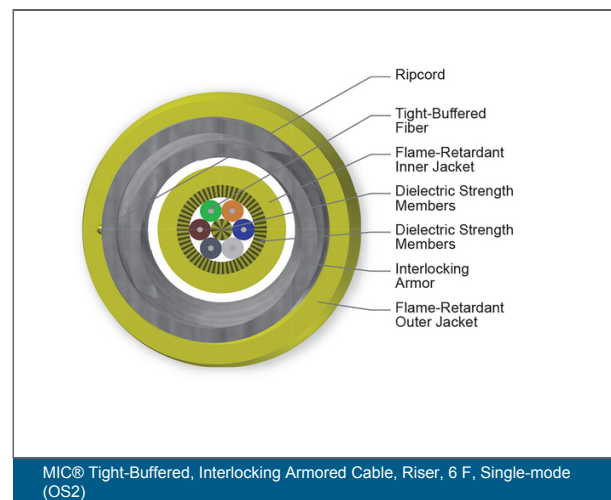
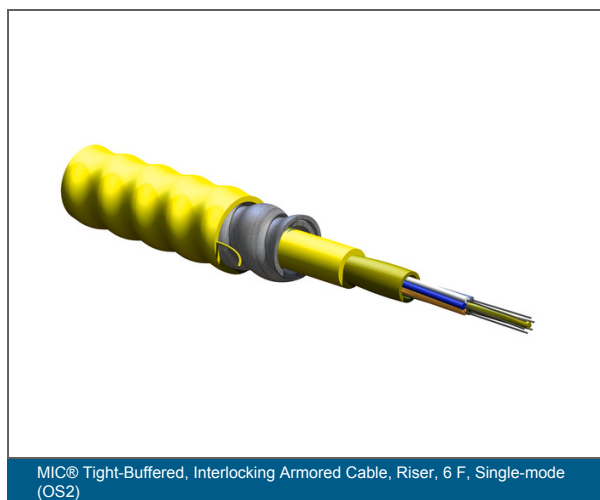
Six times crush protection

Buffered fibers

Easy, consistent stripping

Flame-retardant jacket

Rugged and durable



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Specifications

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Interlocking Armor
Fiber Category	Single-mode (OS2)
Flame Rating	Riser (OFCR)
Application	General Purpose Horizontal
Fiber Count	6

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, ICEA S-83-596
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables), Reaction to fire according to EN 50575 and EN 13501-6, Low smoke according to IEC 61034 and zero halogen to IEC 60754-1, Non-corrosive according to IEC 60754-2, UL-1666 (for riser and general building applications)

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
Number of Ripcords	2

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Cable Design

Outer Jacket Color	Yellow
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	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
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	170 mm (6.69 in)
Min. Bend Radius Operation	113 mm (4.45 in)
Nominal Inner Cable Diameter	509 mm (20.04 in)
Nominal Outer Diameter	11.3 mm (0.44 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

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Ordering Information

Product Number	006E81-31131-A1
EAN Code	4056418191263
Weight	959 kg/km (644.42 lb/1000 ft)



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