

MIC® Tight-Buffered, Interlocking Armored Cable, Riser

8 F, Single mode (OS2)

CORNING

Corning MIC® interlocking armored riser cables are designed for use in intrabuilding backbone and horizontal installations. They use individually jacketed TBII® buffered fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into jacketed sub-units 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 over seven times the crush protection of unarmored 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

Seven times crush protection compared to unarmored cables

TBII buffered fibers

Easy, consistent stripping

Flame-retardant jacket

Rugged and durable

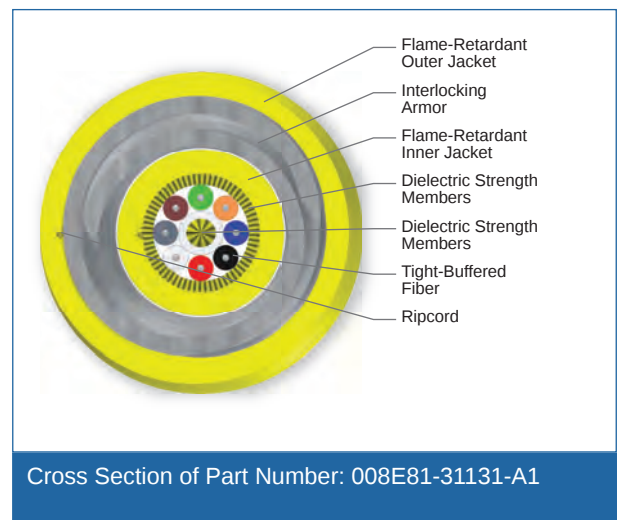
Standards

Approval and Listings

National Electrical Code® (NEC®) OFCR, CSA FT-4, ICEA S-83-596

Flame Resistance

UL-1666 (for riser and general building applications)



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Specifications

General Specifications

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

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-10 °C to 60 °C (14 °F to 140 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

Cable Design

Central Element	Jacketed GRP
Fiber Count	8
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	2
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Interlocking armor
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable

Nominal Inner Cable Diameter	6.0 mm (0.24 in)
Weight	128 kg/km (86 lb/1000 ft)
Min. Bend Radius Installation	7.0 in (179 mm)
Nominal Outer Diameter	11.9 mm (0.47 in)
Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Min. Bend Radius Operation	119 mm (4.7 in)

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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Name	SMF-28e [®] fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.50 dB/km

Ordering Information

Part Number	008E81-31131-A1
Product Description	MIC [®] Tight-Buffered, Interlocking Armored Cable, Riser, 8 F, Single-mode (OS2)
EAN Code	4042673225812



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