MIC® Unitized Tight-Buffered, Interlocking Armored Cable, Riser

72 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 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 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.

Part Number: 072E81-T3131-A1

Features and Benefits

Flexible, interlocking armor design
Seven times crush protection compared to unarmored cables

900 µm Buffered Fibers
Easy, consistent stripping

6- or 12-fiber jacketed subunits
Quick and easy identification

Flame-retardant jacket
Rugged and durable

- Ripcord
- Dielectric Strength Members
- Dielectric Central Element
- Tight-Buffered Fiber
- Flame-Retardant Subunit Jacket
- Flame-Retardant Inner Jacket
- Interlocking Armor
- Flame-Retardant Outer Jacket

Cross Section of Part Number: 072E81-T3131-A1

Standards

Listings	National Electrical Code® (NEC®) OFCR, FT-4
Design and Test Criteria	UL-1666 and CSA FT-4 (for riser and general building applications); ICEA S-83-596
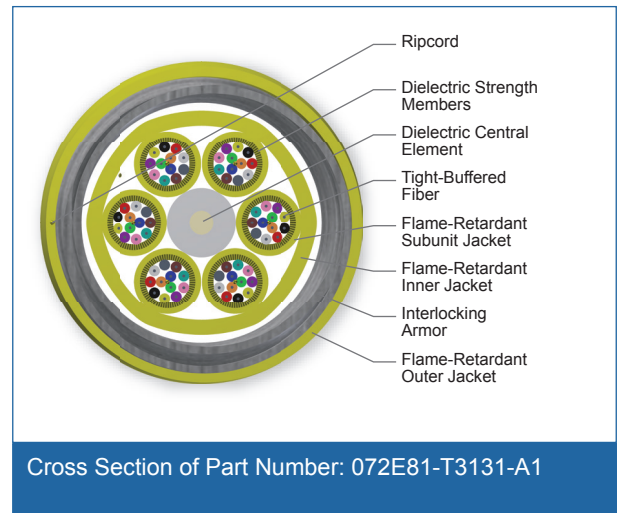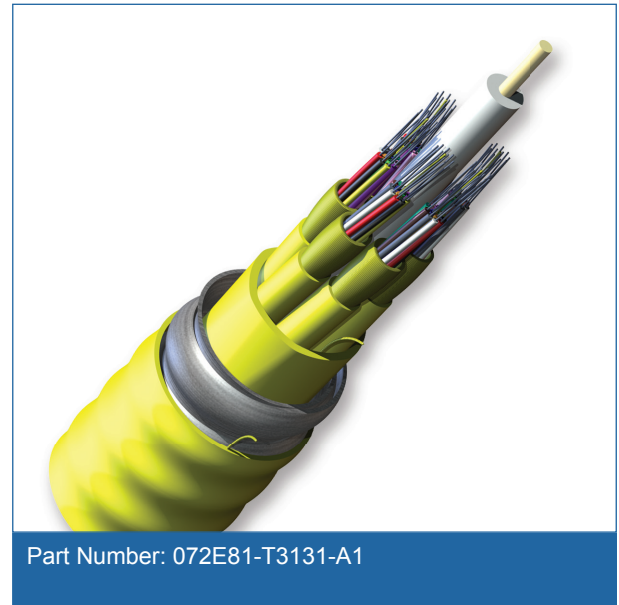
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Specifications

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	72
Number of Active Tubes	6
Subunit Color	Yellow
Number of Fibers per Subunit	12
Subunit Diameter	5.55 mm (0.22 in)
Tight buffer color subunit	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color Subunit, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Number of Ripcords	8
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)
Nominal Inner Cable Diameter	18.6 mm (0.73 in)
Nominal Outer Diameter	26.2 mm (1.03 in)
Weight	474.1 kg/km (318.6 lb/1000 ft)

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Mechanical Characteristics Cable	
Min. Bend Radius Installation	393 mm (15.5 in)
Min. Bend Radius Operation	262 mm (10.3 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

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	072E81-T3131-A1
Product Description	MIC® Unitized Tight-Buffered, Interlocking Armored Cable, Riser, 72 F, Single-mode (OS2)
EAN Code	4056418197876

RoHS COMPLIANT

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