MIC® Unitized Tight-Buffered, Interlocking Armored Cable, Riser 36 F, 50 µm multimode (OM4)

Part Number:
036T81-61190-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

6-fiber jacketed subunits
Quick and easy identification

Flexible, interlocking armor design
Seven times crush protection compared to non-armored cables

900 µm 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	50 µm MM (OM4)
Flame Rating	Riser (OFCR)
Application	General Purpose Horizontal, Vertical Riser
Fiber Count	36

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFCR, FT-4
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	Jacketed GRP
Fiber Count	36
Number of Ripcords	8
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members

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Cable Design	
Fibers per Subunit	6
Number of Active Tubes	6
Subunit Color	Aqua
Subunit Diameter	4.4 mm (0.17 in)
Tight Buffer Color Subunit	Blue, Orange, Green, Brown, Slate, White
Flame Rating	Riser (OFCR)

Mechanical Specifications	
Max. Tensile Strength, Short-Term	1320 N (296.75 lbf)
Min. Bend Radius Installation	338 mm (13.31 in)
Min. Bend Radius Operation	225 mm (8.86 in)
Nominal Inner Cable Diameter	14.8 mm (0.58 in)
Nominal Outer Diameter	22.5 mm (0.89 in)

Optical Characteristics	
Fiber Code	T
Fiber Type	Multimode
Performance Option Code	90
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	550 MHz*km / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM4

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Dimensions	
Cable Weight	3496 kg/km (2349.2 lb/1000 ft)

RoHS COMPLIANT

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