

MIC[®] Unitized Tight-Buffered Cable, Riser

48 F, 50 μm multimode, extended 10G distance (OM4+)

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Corning MIC[®] unitized riser cables are designed for use in riser and general purpose environments for intrabuilding backbone installations. These multifiber cables use individually jacketed 900 μm buffered fibers enabling easy, consistent stripping and facilitating termination. The 6-, 12-, or 24-fiber subunits allow quick and easy identification and are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding, making these cables ideal for routing inside buildings including riser shafts, to the telecommunications rooms and workstations. The MIC Unitized Riser Cables meet the application requirements of the National Electrical Code[®] (NEC[®]) Article 770 and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed.

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

900 μm buffered fibers

Easy, consistent stripping

6-, 12- or 24-fiber jacketed subunits

Quick and easy identification

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

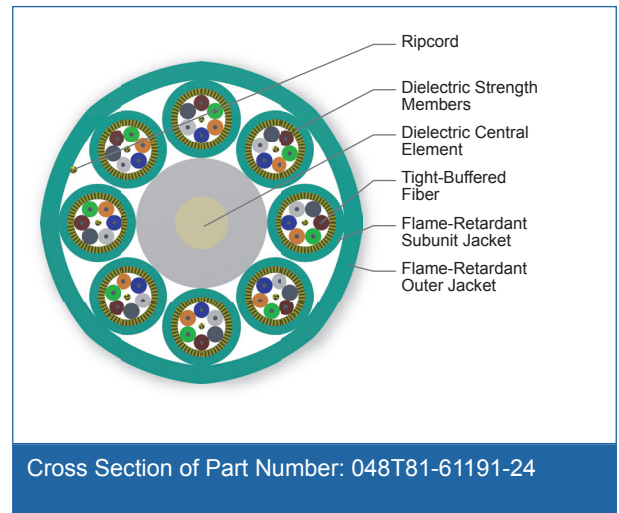
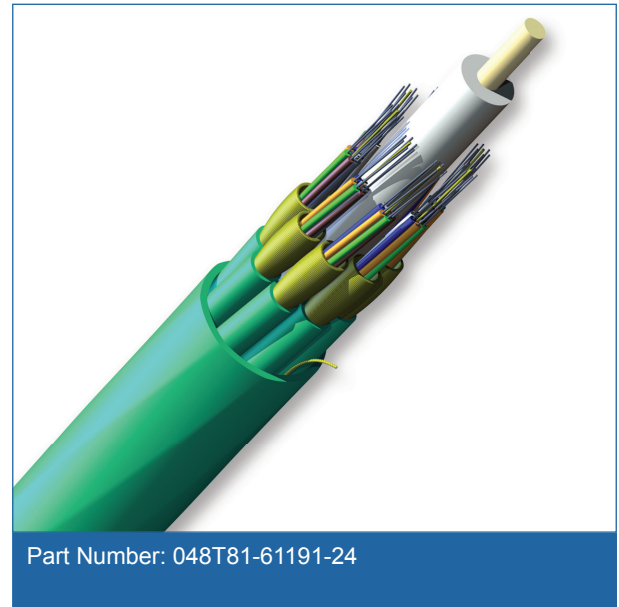
Standards

Listings

National Electrical Code[®]
(NEC[®]) OFNR, 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	Distribution
Flame Rating	Riser (OFNR)
Fiber Category	50 µm MM (OM4+)

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	48
Number of Active Tubes	8
Subunit Color	Aqua
Number of Fibers per Subunit	6
Tight buffer color subunit	Blue, Orange, Green, Brown, Slate, White
Subunit Diameter	4.40 mm (0.17 in)
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	9
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)
Weight	258.4 kg/km (173.6 lb/1000 ft)
Nominal Outer Diameter	17.8 mm (0.69 in)
Min. Bend Radius Installation	267 mm (10.5 in)
Min. Bend Radius Operation	178 mm (7.0 in)

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Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fiber Specifications

Optical Characteristics (cabled)

Fiber Core Diameter	50 µm
Fiber Category	OM4 Extended Distance
Fiber Code	T
Performance Option Code	91
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	600 m / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	5350 MHz*km / -

Ordering Information

Part Number	048T81-61191-24
Product Description	MIC [®] Unitized Tight-Buffered Cable, Riser, 48 F, 50 µm multimode, extended 10G distance (OM4)
EAN Code	4056418149134



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