MIC® Unitized Tight-Buffered Cable, Riser

96 F, 50 µm multimode (OM4)

CORNING

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.

Part Number: 096T81-Y3190-24

Cross Section of Part Number: 096T81-Y3190-24

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

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
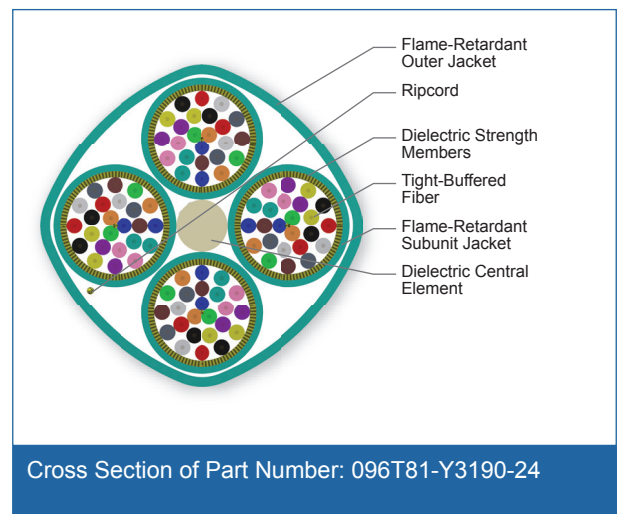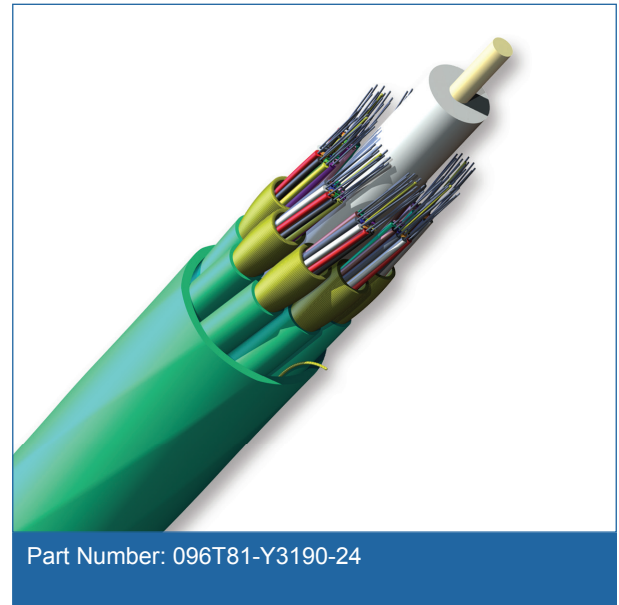
Flame-retardant jacket
Rugged and durable

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	96
Number of Active Tubes	4
Subunit Color	Aqua
Number of Fibers per Subunit	24
Subunit Diameter	6.80 mm (0.27 in)
Tight buffer color subunit	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight-Buffer Color Subunit, Layer 1	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tight Buffer Color Subunit, Layer 2	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
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)
Nominal Outer Diameter	18.5 mm (0.73 in)
Weight	276.5 kg/km (185.8 lb/1000 ft)

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96 F, 50 μm multimode (OM4)

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Mechanical Characteristics Cable	
Min. Bend Radius Installation	277.5 mm (10.93 in)
Min. Bend Radius Operation	185 mm (7.28 in)

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

Fiber Specifications

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

Ordering Information

Part Number	096T81-Y3190-24
Product Description	MIC® Unitized Tight-Buffered Cable, Riser, 96 F, 50 μm multi-mode (OM4)

RoHS COMPLIANT

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