

# MIC<sup>®</sup> Unitized Tight-Buffered Cable, Plenum

96 F, 50 μm multimode (OM2)

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Corning MIC<sup>®</sup> unitized plenum cables are designed for use in plenum, 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 stranded subunits of 6-, 12-, or 24-fibers 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<sup>®</sup> (NEC<sup>®</sup>) Article 770 and the ICEA S-83-596 test criteria. They are OFNP and FT-6 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- or 12-fiber jacketed subunits

Quick and easy identification

### All-dielectric construction

Requires no grounding or bonding

### Flame-retardant jacket

Rugged and durable

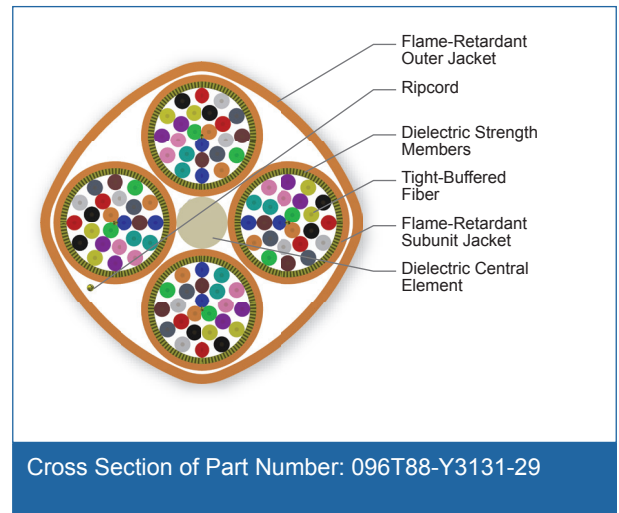
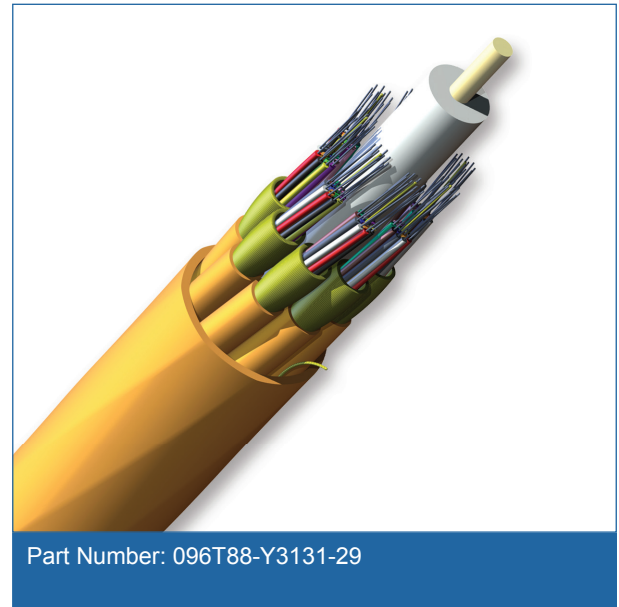
## Standards

### Approvals and Listings

National Electrical Code<sup>®</sup> (NEC<sup>®</sup>) OFNP, CSA FT-6, ICEA S-83-596

### Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



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## Specifications

### General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM2)

### Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

### Cable Design

Central Element	Jacketed GRP
Fiber Count	96
Number of Active Tubes	4
Subunit Color	Orange
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	Orange

### Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Nominal Outer Diameter	18.5 mm (0.73 in)
Weight	305.2 kg/km (205.09 lb/1000 ft)

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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
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Core Diameter	50 µm
Fiber Category	OM2
Fiber Code	T
Performance Option Code	31
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -

## Ordering Information

Part Number	096T88-Y3131-29
Product Description	MIC <sup>®</sup> Unitized Tight-Buffered Cable, Plenum, 96 F, 50 µm multimode (OM2)



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