

MIC® Tight-Buffered Cable, Riser

12 F, Single-mode (OS2)

CORNING

Corning MIC® riser cables are designed for use in riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm TBII® buffered fibers to enable easy, consistent stripping and facilitate termination. The fibers 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 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 for riser and general-purpose use.

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 TBII® Buffered Fibers

Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

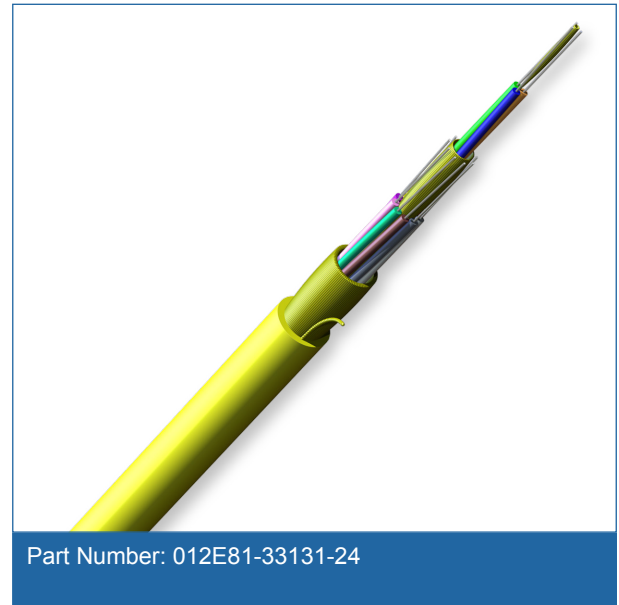
Standards

Approvals and Listings

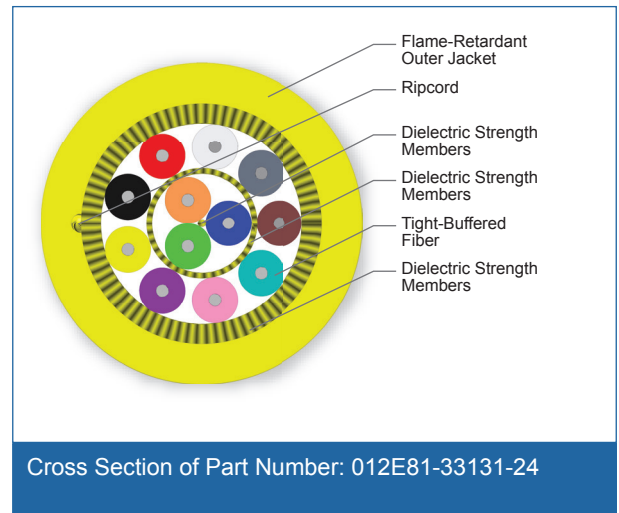
National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596

Flame Resistance

UL-1666 (for riser and general building applications)



Part Number: 012E81-33131-24



Cross Section of Part Number: 012E81-33131-24

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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 | 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 | Yarn |
| Fiber Count | 12 |
| Tight Buffer Color | Blue, Orange, Green |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Tight Buffer Color, Layer 2 | Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Tensile Strength Elements and/or Armoring - Layer 2 | Dielectric strength members |
| Number of Ripcords | 1 |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Yellow |

Mechanical Characteristics Cable

| | |
|-----------------------------------|-------------------------------|
| Max. Tensile Strength, Short-Term | 660 N (150 lbf) |
| Max. Tensile Strength, Long-Term | 200 N (45 lbf) |
| Nominal Outer Diameter | 6.10 mm (0.24 in) |
| Weight | 30.1 kg/km (20.23 lb/1000 ft) |
| Min. Bend Radius Installation | 91.5 mm (3.60 in) |
| Min. Bend Radius Operation | 61 mm (2.40 in) |

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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 | 012E81-33131-24 |
| Product Description | MIC [®] Tight-Buffered Cable, Riser, 12 F, Single-mode (OS2) |



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