

FREEDM® Loose Tube, Gel-Free Cable, Riser

60 F, Single-mode (OS2)

CORNING

Corning FREEDM® loose tube gel-free riser cables are flame-retardant, indoor/outdoor, riser-rated cables designed for interbuilding and intrabuilding backbones in aerial, duct and riser applications. These cables are protected against water penetration by innovative waterblocking materials that swell to absorb water. Waterblocking without the use of messy gels provides more efficient and craft-friendly cable preparation. It also makes cable access easier and simplifies the use of buffer tube fan-out kits.

The buffer tubes and fibers in each tube are color coded for quick, easy identification. The SZ-stranded, loose tube design isolates fibers from installation and environmental rigors and allows for easy mid-span access. The cable design is also National Electrical Code® (NEC®) listed (OFNR and FT-4). The all-dielectric cable construction requires no grounding or bonding, and the UV-resistant, flame-retardant jacket is rugged, durable and easy to strip.

Note: 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 while still providing all of the required environmental protection of an indoor/outdoor cable jacket. Black is the standard jacket color using the part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Gel-free waterblocking technology

Craft-friendly cable preparation

Loose tube design

Mechanical ruggedness and environmental durability

Color-coded tubes and fibers

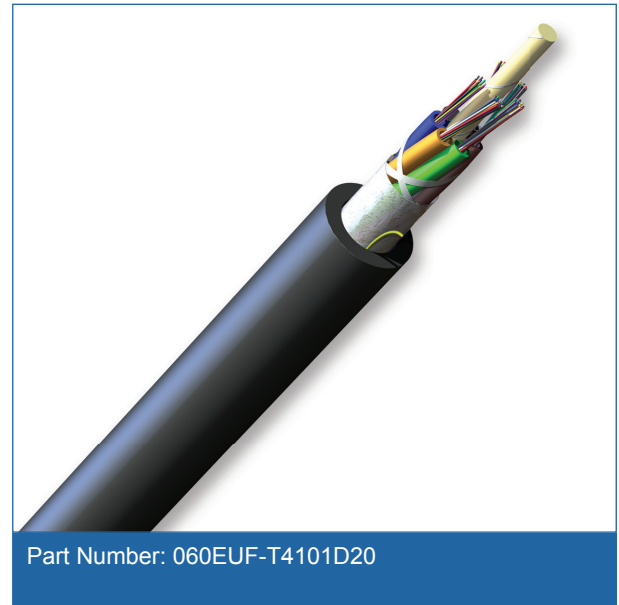
Quick and easy identification

All-dielectric construction

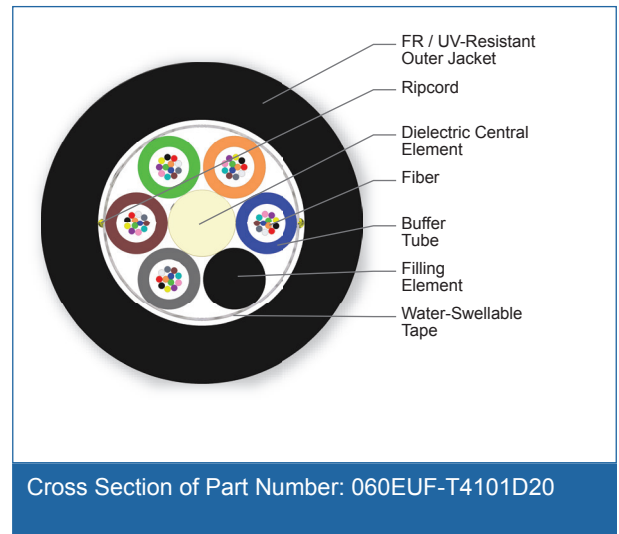
Requires no grounding or bonding

Common installations

Outdoor lashed aerial and duct; indoor vertical riser and general purpose horizontal according to National Electrical Code (NEC) Article 770



Part Number: 060EUF-T4101D20



Cross Section of Part Number: 060EUF-T4101D20

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Standards

| | |
|------------------------|---|
| Listings | National Electrical Code [®] (NEC [®]) OFNR |
| Design Criteria | CSA OFN FT-4 |
| Test Criteria | ANSI/ICEA S-104-696 |

Specifications

| General Specifications | |
|------------------------|---|
| Environment | Indoor/Outdoor Cables |
| Application | Aerial, Direct Buried, Duct, General Purpose Horizontal, (Vertical Riser) |
| Cable Type | Loose Tube |
| Product Type | Dielectric |
| 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 | -40 °C to 70 °C (-40 °F to 158 °F) |

| Cable Design | |
|----------------------------|--|
| Central Element | Dielectric |
| Fiber Count | 60 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Fibers per Tube | 12 |
| Number of Tube Positions | 6 |
| Number of Active Tubes | 5 |
| Buffer Tube Color Coding | Blue, Orange, Green, Brown, Slate |
| Buffer Tube Diameter | 2.5 mm (0.1 in) |
| Number of Filling Elements | 1 |
| Tape | Water-swellaable |
| Number of Ripcords | 2 |

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Cable Design

| | |
|-----------------------|-------------------------------|
| Outer Jacket Material | Flame-Retardant, UV-Resistant |
| Outer Jacket Color | Black |

Mechanical Characteristics Cable

| | |
|-----------------------------------|---------------------------|
| Max. Tensile Strength, Short-Term | 2700 N (600 lbf) |
| Max. Tensile Strength, Long-Term | 810 N (180 lbf) |
| Min. Bend Radius Installation | 195 mm (7.6 in) |
| Min. Bend Radius Operation | 130 mm (5.1 in) |
| Nominal Outer Diameter | 13 mm (0.51 in) |
| Weight | 146 kg/km (98 lb/1000 ft) |

Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

Fiber Specifications

Optical Characteristics (cabled)

| | |
|-------------------------|-----------------------------------|
| Fiber Name | Single-mode (OS2) |
| Fiber Category | G.652.D |
| Fiber Code | E |
| Performance Option Code | 01 |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Maximum Attenuation | 0.4 dB/km / 0.4 dB/km / 0.3 dB/km |

Ordering Information

| | |
|---------------------|--|
| Part Number | 060EUF-T4101D20 |
| Product Description | FREEDM [®] Loose Tube, Gel-Free Cable, Riser, 60 F, Single-mode (OS2) |
| EAN Code | 4056418171739 |



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The CORNING logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font centered inside.

Notes



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