

Fan-Out Tight-Buffered Cable, Plenum

12 F, 2.9 mm Subunits, Single-mode (OS2)

CORNING

Corning fan-out plenum cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900 μm TBII Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are stranded around a dielectric central member with a flame-retardant outer jacket, making this cable particularly useful for applications requiring direct connection to terminal equipment or requiring extra rugged cables.

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

Flame-retardant jacket

Rugged and durable

Temperature- and water-resistant

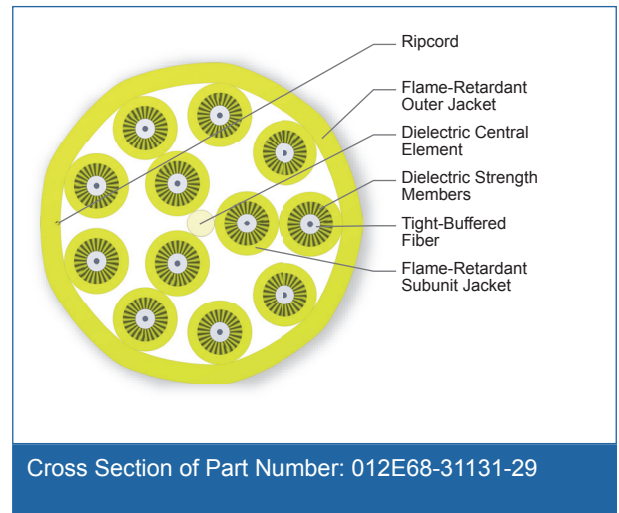
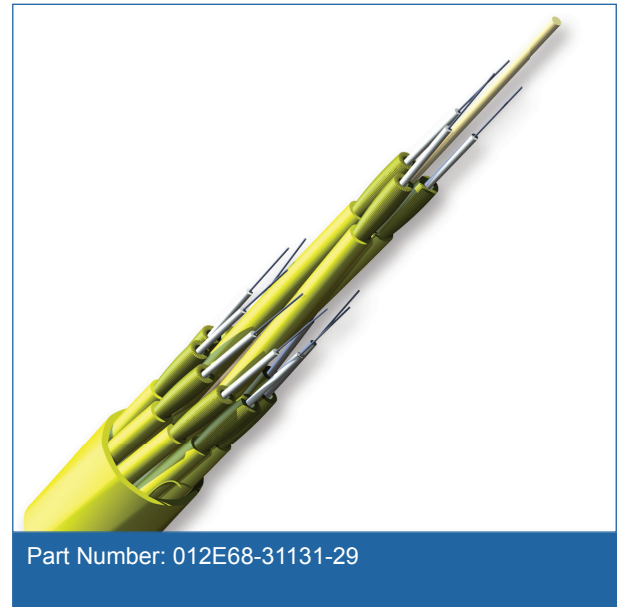
Superior protection

All-dielectric construction

Requires no grounding or bonding

Standards

| | |
|-------------------------|---|
| Listings | National Electrical Code® (NEC®) OFNP |
| Test Criteria | ICEA S-83-596 |
| Design Criteria | CSA FT-6 |
| Flame Resistance | UL-1666 (for riser and general building applications) |



Fan-Out Tight-Buffered Cable, Plenum

12 F, 2.9 mm Subunits, Single-mode (OS2)

CORNING

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 | Single-mode (OS2) |

| 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 | GRP |
| Fiber Count | 12 |
| Tight Buffer Color | White |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Subunit Jacket Material | Flame-retardant |
| Subunit Color | Yellow |
| Number of Subunits Layer 1 | 3 |
| Tensile Strength Elements and/or Armoring - Layer 2 | Dielectric strength members |
| Number of Subunits Layer 2 | 9 |
| Tensile Strength Elements and/or Armoring - Layer 3 | Dielectric strength members |
| Number of Ripcords | 1 |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Yellow |

| Mechanical Characteristics Cable | |
|-----------------------------------|----------------------------|
| Weight | 152 kg/km (102 lb/1000 ft) |
| Nominal Outer Diameter | 13.5 mm (0.5 in) |
| Max. Tensile Strength, Short-Term | 440 N (100 lbf) |
| Max. Tensile Strength, Long-Term | 132 N (30 lbf) |

Fan-Out Tight-Buffered Cable, Plenum

12 F, 2.9 mm Subunits, Single-mode (OS2)

CORNING

Mechanical Characteristics Cable

| | |
|-------------------------------|-----------------|
| Min. Bend Radius Installation | 203 mm (8.0 in) |
| Min. Bend Radius Operation | 135 mm (5.3 in) |

Chemical Characteristics

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

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 | 012E68-31131-29 |
| Product Description | Fan-Out Tight-Buffered Cable, Plenum, 12 F, 2.9 mm Subunits, Single-mode (OS2) |
| EAN Code | 4056418188447 |



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.

CORNING