

# Fan-Out Tight-Buffered Cable, Riser

24 F, 2.9 mm Subunits, 50  $\mu$ m multimode, extended 10G distance (OM4)

CORNING

Corning fan-out riser cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900  $\mu$ m 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 $\mu$ m Buffered Fibers

Easy, consistent stripping

### Flame-retardant jacket

Rugged and durable

### All-dielectric construction

Requires no grounding or bonding

## Standards

### Approvals and Listings

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

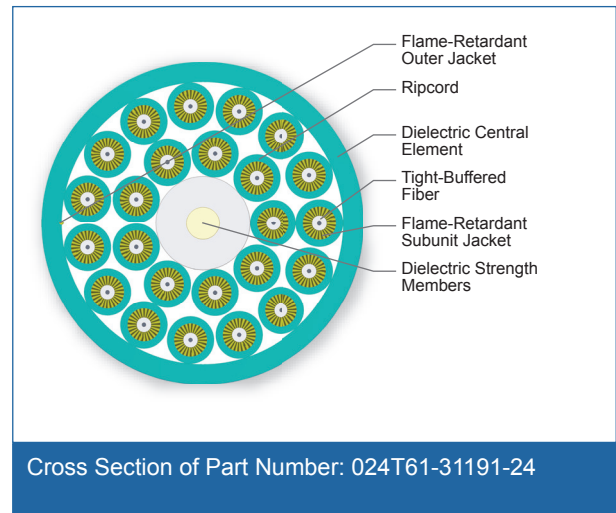
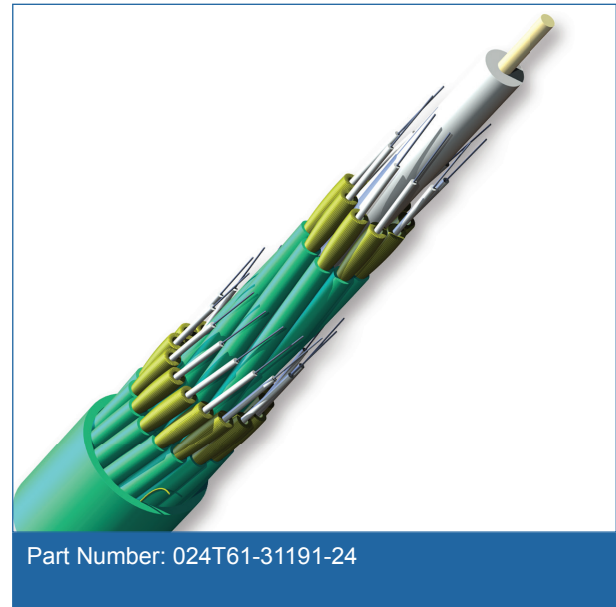
### Flame Resistance

UL-1666 (for riser and general building applications)

## Specifications

### General Specifications

|              |  |
|--------------|--|
| Environment  | Indoor                                     |
| Application  | General Purpose Horizontal, Vertical Riser |
| Cable Type   | Tight-Buffered                             |
| Product Type | Distribution                               |



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## General Specifications

|                |                      |
|----------------|----------------------|
| Flame Rating   | Riser (OFNR)         |
| Fiber Category | 50 $\mu$ m 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   | 24                          |
| Tight Buffer Color                                  | White                       |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Subunit Jacket Material                             | Flame-retardant             |
| Subunit Color                                       | Aqua                        |
| Subunit Diameter                                    | 2.9 mm                      |
| Number of Subunits Layer 1                          | 9                           |
| Tensile Strength Elements and/or Armoring - Layer 2 | Dielectric strength members |
| Number of Subunits Layer 2                          | 15                          |
| Tensile Strength Elements and/or Armoring - Layer 3 | Dielectric strength members |
| Number of Ripcords                                  | 1                           |
| Outer Jacket Material                               | Flame-retardant             |
| Outer Jacket Color                                  | Aqua                        |

## Mechanical Characteristics Cable

|                                   |                            |
|-----------------------------------|----------------------------|
| Weight                            | 288 kg/km (193 lb/1000 ft) |
| Nominal Outer Diameter            | 19.3 mm (0.8 in)           |
| Max. Tensile Strength, Short-Term | 1320 N (300 lbf)           |
| Max. Tensile Strength, Long-Term  | 400 N (90 lbf)             |
| Min. Bend Radius Installation     | 290 mm (11.4 in)           |
| Min. Bend Radius Operation        | 193 mm (7.6 in)            |

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## 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 Extended Distance    |
| Fiber Code                              | T                        |
| Performance Option Code                 | 91                       |
| Wavelengths                             | 850 nm / 1300 nm         |
| Maximum Attenuation                     | 2.8 dB/km / 1.0 dB/km    |
| Serial 1 Gigabit Ethernet               | 1100 m / 600 m           |
| Serial 10 Gigabit Ethernet              | 600 m / -                |
| Min. Overfilled Launch (OFL) Bandwidth  | 3500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 5350 MHz*km / -          |

## Ordering Information

|                     |  |
|---------------------|--|
| Part Number         | 024T61-31191-24  |
| Product Description | Fan-Out Tight-Buffered Cable, Riser, 24 F, 2.9 mm Subunits, 50 µm multimode, extended 10G distance (OM4) |



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