

# Fan-Out Tight-Buffered Cable, Plenum

2 F, 1.65 mm Subunits, 50  $\mu$ m multimode (OM2)

CORNING

Corning fan-out plenum 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

### Temperature- and water-resistant

Superior protection

### All-dielectric construction

Requires no grounding or bonding

## Standards

### Listings

National Electrical Code®  
(NEC®) OFNP

### Test Criteria

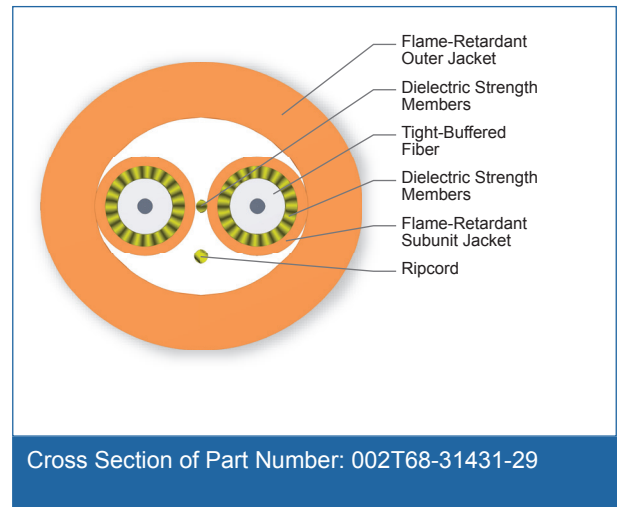
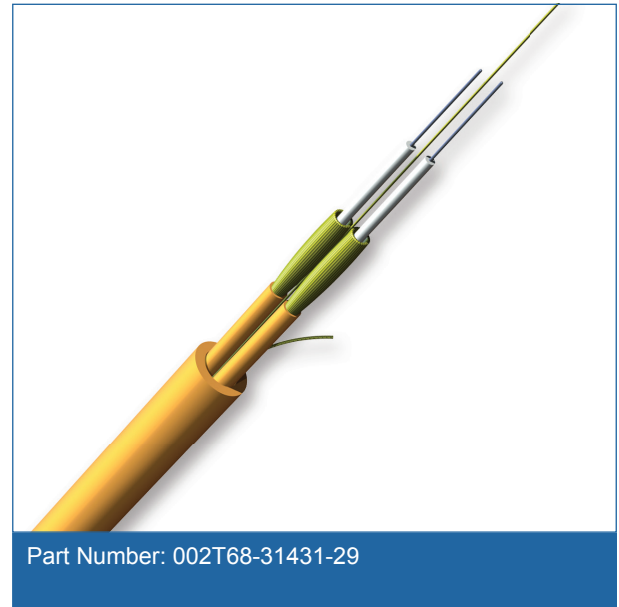
ICEA S-83-596

### Design Criteria

CSA FT-6

### Flame Resistance

UL-1666 (for riser and general building applications)



# Fan-Out Tight-Buffered Cable, Plenum

2 F, 1.65 mm Subunits, 50 µm multimode (OM2)

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	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	Yarn
Fiber Count	2
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Subunit Jacket Material	Flame-retardant
Subunit Color	Orange
Number of Subunits	2
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange

### Mechanical Characteristics Cable

Weight	28 kg/km (19 lb/1000 ft)
Nominal Outer Diameter	5.2 mm (0.2 in)
Max. Tensile Strength, Short-Term	440 N (100 lbf)
Max. Tensile Strength, Long-Term	132 N (30 lbf)
Min. Bend Radius Installation	78 mm (3.1 in)
Min. Bend Radius Operation	52 mm (2.1 in)

# Fan-Out Tight-Buffered Cable, Plenum

2 F, 1.65 mm Subunits, 50 µm multimode (OM2)



## 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	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	002T68-31431-29
Product Description	Fan-Out Tight-Buffered Cable, Plenum, 2 F, 1.65 mm Subunits, 50 µm multimode (OM2)
EAN Code	4056418177823



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](http://www.corning.com/opcomm)

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://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.

