

# Fan-Out Tight-Buffered Cable, Plenum

16 F, 2.9 mm Subunits, 62.5 μm multimode (OM1)

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

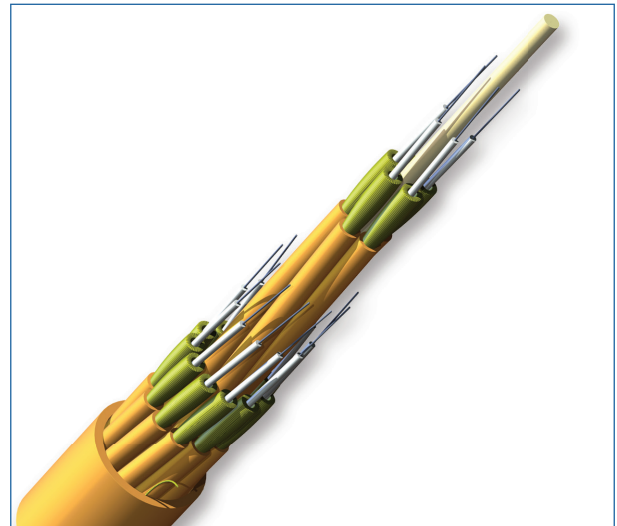
ICEA S-83-596

### Design Criteria

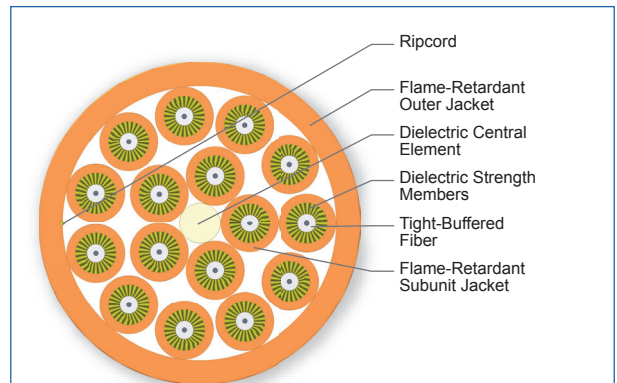
CSA FT-6

### Flame Resistance

UL-1666 (for riser and general building applications)



Part Number: 016K68-31130-29



Cross Section of Part Number: 016K68-31130-29

# Fan-Out Tight-Buffered Cable, Plenum

16 F, 2.9 mm Subunits, 62.5  $\mu$ m multimode (OM1)

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	62.5 $\mu$ m MM (OM1)

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	16
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 Layer 1	5
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Subunits Layer 2	11
Tensile Strength Elements and/or Armoring - Layer 3	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange

Mechanical Characteristics Cable	
Weight	215 kg/km (144 lb/1000 ft)
Nominal Outer Diameter	15.4 mm (0.6 in)
Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)

# Fan-Out Tight-Buffered Cable, Plenum

16 F, 2.9 mm Subunits, 62.5 µm multimode (OM1)



## Mechanical Characteristics Cable

Min. Bend Radius Installation	231 mm (9.1 in)
Min. Bend Radius Operation	154 mm (6.1 in)

## Chemical Characteristics

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

## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Core Diameter	62.5 µm
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.4 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -

Notes: 1) Improved attenuation and bandwidth options available.  
2) Bend-insensitive single-mode fibers available on request.  
3) Contact a Corning Customer Care Representative for additional information.

## Ordering Information

Part Number	016K68-31130-29
Product Description	Fan-Out Tight-Buffered Cable, Plenum, 16 F, 2.9 mm Subunits, 62.5 µm multimode (OM1)
EAN Code	4056418184265



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.

