Fan-Out Tight-Buffered Cable, Plenum

12 F, 2.0 mm Subunits, 62.5 µm multimode (OM1)

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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.

Part Number: 012K68-31330-29

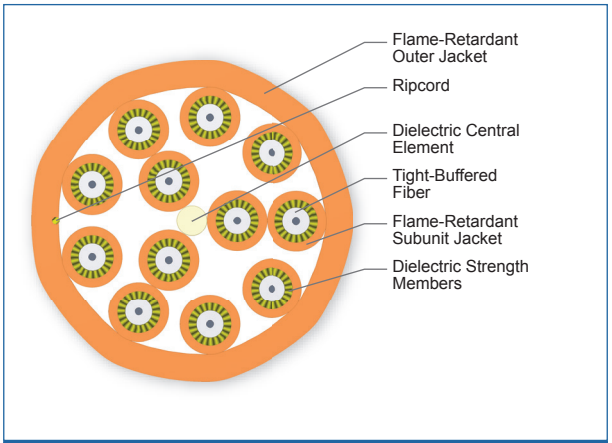
Features and Benefits

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



Cross Section of Part Number: 012K68-31330-29

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)

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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 µm 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	12
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	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	Orange

Mechanical Characteristics Cable	
Weight	99 kg/km (67 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.4 in)
Max. Tensile Strength, Short-Term	440 N (100 lbf)
Max. Tensile Strength, Long-Term	132 N (30 lbf)

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Mechanical Characteristics Cable	
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 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	012K68-31330-29
Product Description	Fan-Out Tight-Buffered Cable, Plenum, 12 F, 2.0 mm Subunits, 62.5 µm multimode (OM1)
EAN Code	4056418184234

RoHS COMPLIANT

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