

Fan-Out Tight-Buffered Cable, Plenum 12 F, 2.0 mm Subunits, Single-mode (OS2)

CORNING

Part Number: 012E68-31331-29

Corning fan-out plenum cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900 μm 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

Temperature- and water-resistant

Superior protection

All-dielectric construction

Requires no grounding or bonding

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Specifications

Mechanical Specifications

Max. Tensile Strength, Long-Term	132 N
Max. Tensile Strength, Short-Term	440 N
Min. Bend Radius Installation	158 mm (6.22 in)
Min. Bend Radius Operation	105 mm (4.13 in)
Nominal Outer Diameter	10.5 mm (0.41 in)

Cable Design

Central Element	GRP
Fiber Count	12
Number of Ripcords	1
Outer Jacket Color	Yellow
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Subunits Layer 1	3
Number of Subunits Layer 2	9
Subunit Color	Yellow
Subunit Diameter	2 mm (0.08 in)
Subunit Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Dielectric strength members
Tight Buffer Color	White
Flame Rating	Plenum (OFNP)

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Environmental Conditions

Temperature Range, Installation	0 °C - 60 °C (32 °F - 140 °F)
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Operation	0 °C - 70 °C (32 °F - 158 °F)

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	Single-mode (OS2)
Flame Rating	Plenum (OFNP)
Application	General Purpose Horizontal , Vertical Riser , Plenum

Ordering Information

Weight	99 kg/km
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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
Flame Test Method	UL-1666 (for riser and general building applications)

Optical Characteristics

Fiber Code	E
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Optical Characteristics

Fiber Name	SMF-28e+® fiber
Fiber Type	Single-mode
Performance Option Code	31
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D



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