

M9W610 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)



For more Information
please call

1-800-Belden1

Description:

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	Single Mode/125/900 Micron
Number of Fibers:	16
Core Diameter:	8.3 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 2
Clad Non-Circularity:	1% Maximum
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245 +/- 10
Secondary Coating Material:	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua
Blue/Black
Orange/Black
Green/Black
Brown/Black

Core-clad Offset:	1.5 Microns Maximum
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Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness:	0.030
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Outer Jacket Diameter:

Nom. Dia. (in.)
0.250

Outer Jacket Ripcord:	Aramid
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Outer Jacket Color:	Yellow
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Strength Member

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Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.250 in.

Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +80°C

Operating Temperature Range: -20°C To +70°C

Min. Bend Radius (Install)/Minor Axis: 3.750 in.

Min. Bend Radius for Long Term Application: 2.500 in.

Crush Resistance: Passes TIA/EIA 455-41, 2000 N/cm

Impact Resistance: Passes TIA/EIA 455-25, 2000 Impacts w/1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 345 lbs.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: OFNP

CEC/C(UL) Specification: OFN

Telecommunications Standards: 568B

Other Specification: ITU G.652.d

Flame Test

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm: 0.80 dB/km

Maximum Attenuation @ 1550nm: 0.50 dB/km

Notes (Overall)

Notes: This cable is designed for use in indoor applications. It can also be used in interbuilding applications as outlined as technical advisory #21.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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