

## M9W600 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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)**

<b>Fiber Type:</b>	Single Mode/125/900 Micron
<b>Number of Fibers:</b>	16
<b>Core Diameter:</b>	8.3 +/- 2.5
<b>Core Non-Circularity:</b>	5% Maximum
<b>Clad Diameter:</b>	125 +/- 2
<b>Clad Non-Circularity:</b>	1% Maximum
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245 +/- 10
<b>Secondary Coating Material:</b>	Engineering Thermoplastic
<b>Secondary Coating Diameter:</b>	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

<b>Core-clad Offset:</b>	1.5 Microns Maximum
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**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

<b>Outer Jacket Nominal Wall Thickness:</b>	0.042
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.274

<b>Outer Jacket Ripcord:</b>	Aramid
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<b>Outer Jacket Color:</b>	Black
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**Strength Member**

**M9W600 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)**

**Strength Member Material:** Fiberglass Epoxy Rod, Aramid Yarn

**Overall Cabling**

**Overall Nominal Diameter:** 0.274 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:** 5.480 in.

**Min. Bend Radius for Long Term Application:** 4.110 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:** OFNR

**CEC/C(UL) Specification:** OFN

**Telecommunications Standards:** 568B

**Other Specification:** ITU G.652.d

**Flame Test**

**C(UL) Flame Test:** FT4

**Plenum/Non-Plenum**

**Plenum (Y/N):** No

**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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