

## M9W046 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)**

<b>Fiber Type:</b>	Single Mode/125/900 Micron
<b>Number of Fibers:</b>	8
<b>Core Diameter:</b>	8.3
<b>Mode Field Diameter @ 1310nm:</b>	9.2 +/- 0.4
<b>Mode Field Diameter @1550nm:</b>	10.5 +/- 1.0
<b>Clad Diameter:</b>	125 +/- 1
<b>Clad Non-Circularity:</b>	1% Maximum
<b>Core-clad Concentricity Error:</b>	0.6 Microns Maximum
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245 +/- 10
<b>Secondary Coating Material:</b>	Plenum Grade PVC - Polyvinyl Chloride
<b>Secondary Coating Diameter:</b>	900 +/- 50

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black

<b>Core-clad Offset:</b>	0.6 Microns Maximum
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**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

<b>Outer Jacket Nominal Wall Thickness:</b>	0.025
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.222

<b>Outer Jacket Color:</b>	Yellow
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**Strength Member**

<b>Strength Member Material:</b>	Aramid Yarn
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**Overall Cabling**

<b>Overall Nominal Diameter:</b>	0.222 in.
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**Mechanical Characteristics (Overall)**

<b>Storage Temperature Range:</b>	-40°C To +80°C
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**M9W046 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)**

<b>Operating Temperature Range:</b>	-20°C To +70°C
<b>Min. Bend Radius (Install)/Minor Axis:</b>	3.330 in.
<b>Min. Bend Radius for Long Term Application:</b>	2.220 in.
<b>Max. Load for Installation:</b>	270 lbs.
<b>Proof Test:</b>	100 kpsi

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

<b>NEC/(UL) Specification:</b>	OFNP
<b>CEC/C(UL) Specification:</b>	OFN
<b>Telecommunications Standards:</b>	568B
<b>Other Specification:</b>	ITU G.652.d

**Flame Test**

<b>C(UL) Flame Test:</b>	FT6
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**Suitability**

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	No

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	Yes
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**Optical Characteristics (Overall)**

<b>Maximum Attenuation @ 1310nm:</b>	0.8 dB/km
<b>Maximum Attenuation @ 1550nm:</b>	0.5 dB/km

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 0    Revision Date: 05-14-2007

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