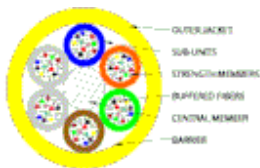


**M9W620 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)**

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>	72
<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
Yellow
Violet
Rose
Aqua

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

<b>Inner Jacket Nominal Wall Thickness:</b>	0.020
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**Inner Jacket Color Code Chart:**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate

## M9W620 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)

6	White
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## Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

Outer Jacket Nominal Wall Thickness: 0.030

Outer Jacket Diameter:

Nom. Dia. (in.)
0.754

Outer Jacket Color: Yellow

Outer Jacket Separator Material: Overall Polyester Tape, 25% Overlap

## Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

## Overall Cabling

Overall Nominal Diameter: 0.754 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: 11.310 in.

Min. Bend Radius for Long Term Application: 7.540 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 2093 lbs.

Max. Load for Long Term Application: 523 lbs.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: OFNP

CEC/C(UL) Specification: OFN

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2006

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

Telecommunications Standards: 568B

Other Specification: ITU G.652.d

## Flame Test

C(UL) Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

**M9W620 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)****Plenum/Non-Plenum**

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

Maximum Attenuation @ 1310nm:	0.8 dB/km
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Maximum Attenuation @ 1550nm:	0.5 dB/km
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**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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