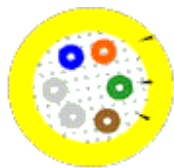


## M9W102 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



OUTER JACKET  
TIGHT BUFFERED  
FIBER  
ARAMID STRENGTH  
MEMBERS



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:	6
Core Diameter:	8.3
Mode Field Diameter @ 1310nm:	9.2 +/- 0.4
Mode Field Diameter @1550nm:	10.5 +/- 1.0
Clad Diameter:	125 +/- 1
Clad Non-Circularity:	1% Maximum
Core-clad Concentricity Error:	0.6 Microns Maximum
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245 +/- 10
Secondary Coating Material:	LSNH - Low Smoke Non-Halogen
Secondary Coating Diameter:	900 +/- 50

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White

Core-clad Offset:	0.6 Microns Maximum
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**Outer Jacket****Outer Jacket Material:****Outer Jacket Material**

LSNH - Low Smoke Non-Halogen

Outer Jacket Nominal Wall Thickness:	0.040
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**Outer Jacket Diameter:****Nom. Dia. (in.)**

0.220

Outer Jacket Color:	Yellow
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**Strength Member**

Strength Member Material:	Aramid Yarn
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**Overall Cabling**

Overall Nominal Diameter:	0.220 in.
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**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C

**M9W102 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)**

Min. Bend Radius (Install)/Minor Axis:	3.300 in.
Min. Bend Radius for Long Term Application:	2.200 in.
Max. Load for Installation:	270 lbs.
Proof Test:	100 kpsi

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

NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN
Telecommunications Standards:	568B
Other Specification:	G.652.d

**Flame Test**

C(UL) Flame Test:	FT4
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Optical Characteristics (Overall)**

Maximum Attenuation @ 1310nm:	0.8 dB/km
Maximum Attenuation @ 1550nm:	0.5 dB/km
Point Loss @ 1310 & 1550nm:	.1
Dispersion @ 1310nm:	3.5
Dispersion @ 1550 nm:	18
Dispersion Slope:	.092
Zero Dispersion Wavelength:	1310 +/- 10
Cutoff Wavelength:	1260 Maximum
Refractive Index @ 1310nm:	1.4695
Refractive Index @ 1550nm:	1.44701

**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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