

M9W112 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)

Fiber Type:	Single Mode/125/900 Micron
Number of Fibers:	48
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
Red
Black
Yellow
Violet
Rose
Aqua

Core-clad Offset:	0.6 Microns Maximum
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Inner Jacket

Inner Jacket Nominal Wall Thickness:	0.025
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Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
LSNH - Low Smoke Non-Halogen

Outer Jacket Nominal Wall Thickness:	0.050
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Outer Jacket Diameter:

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Nom. Dia. (in.)

0.627

Outer Jacket Color: Yellow

Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

Overall Cabling

Overall Nominal Diameter: 0.627 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: 9.405 in.

Min. Bend Radius for Long Term Application: 6.270 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 945 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

Plenum/Non-Plenum

Plenum (Y/N): No

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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