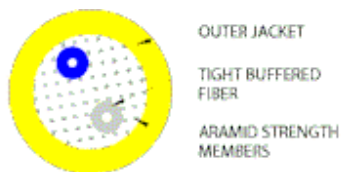


M9W037 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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:	2
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:	Engineering Thermoplastic
Secondary Coating Diameter:	900 +/- 50

Fiber Color Code Chart:

Color
Blue
Orange

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

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color:	Yellow
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Strength Member

Strength Member Material:	Aramid Yarn
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Overall Cabling

Overall Nominal Diameter:	0.184 in.
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Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	13 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	2.800 in.
Min. Bend Radius for Long Term Application:	1.800 in.
Max. Load for Installation:	180 lbs.
Max. Load for Long Term Application:	45 lbs.
Proof Test:	100 kpsi

M9W037 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFNR
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CEC/C(UL) Specification:	OFN
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Flame Test

C(UL) Flame Test:	FT4
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	No
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Sunlight Resistance:	No
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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
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Maximum Attenuation @ 1550nm:	0.5 dB/km
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Point Loss @ 1310 & 1550nm:	.1
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Dispersion @ 1310nm:	3.5
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Dispersion @ 1550 nm:	18
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Dispersion Slope:	.092
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Zero Dispersion Wavelength:	1310 +/- 10
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Cutoff Wavelength:	1260 Maximum
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Refractive Index @ 1310nm:	1.4695
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Refractive Index @ 1550nm:	1.44701
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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