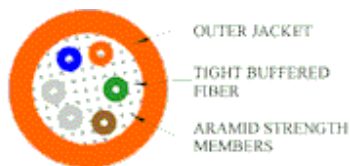


## M9A039 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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:	50/125/900 Micron
Number of Fibers:	6
Core Diameter:	50 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 2
Clad Non-Circularity:	1% 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
Green
Brown
Slate
White

Core-clad Offset:	1.5 Microns Maximum
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**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color:	Orange
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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
Bulk Cable Weight:	19 lbs/1000 ft.
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.
Max. Load for Long Term Application:	69 lbs.

**M9A039 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)**

Proof Test:	100 kpsi
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**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN
IEEE Specification:	802.3Z

**Flame Test**

C(UL) Flame Test:	FT4
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**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Sunlight Resistance:	No

**Plenum/Non-Plenum**

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

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Point Loss @ 850nm & 1300nm:	.2
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.483
Refractive Index @ 1300nm:	1.479
Numerical Aperature:	.2
Maximum Gigabit Ethernet Length @ 850nm:	600
Maximum Gigabit Ethernet Length @ 1300nm:	600

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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