

## M9A002 Fiber - Tight Buffer Interconnect Cables - Riser (OFNR)



For more Information  
please call

1-800-Belden1

**Description:**

Interconnect Cables are designed for low fiber-count premises environments. They are small and very flexible, making them ideal for confined spaces. Their aesthetic appearance makes these cables suitable for use in open office environments.

**Physical Characteristics (Overall)**

Fiber Type:	50/125/900 Micron
Number of Fibers:	2
Core Diameter:	50 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 2
Clad Non-Circularity:	2% 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:	3 Microns Maximum
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**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness:	.025
Outer Jacket Color:	Orange

**Strength Member**

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

Overall Nominal Diameter:	0.114 x 0.233 in.
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**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	12 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	1.700 in.
Min. Bend Radius for Long Term Application:	1.100 in.
Crush Resistance:	EIA-455-41, 200 N/cm
Impact Resistance:	EIA-455-25, 20 Impacts w/1.0 N-m
Cyclic Flexing:	EIA-455-104, 100 Cycles min.

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<b>Max. Load for Installation:</b>	180 lbs.
<b>Max. Load for Long Term Application:</b>	70 lbs.
<b>Proof Test:</b>	100 kpsi

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

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

**Flame Test**

<b>UL Flame Test:</b>	UL1666 Riser
<b>C(UL) Flame Test:</b>	FT4

**Suitability**

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	No

**Plenum/Non-Plenum**

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

<b>Maximum Attenuation @ 850nm:</b>	3.5 dB/km
<b>Maximum Attenuation @ 1300nm:</b>	1.25 dB/km
<b>Point Loss @ 850nm &amp; 1300nm:</b>	0.2
<b>Minimum Bandwidth @ 850nm:</b>	500 MHz*km
<b>Minimum Bandwidth @ 1300nm:</b>	500 MHz*km
<b>Refractive Index @ 850nm:</b>	1.483
<b>Refractive Index @ 1300nm:</b>	1.479
<b>Numerical Aperature:</b>	.200
<b>Maximum Gigabit Ethernet Length @ 850nm:</b>	600
<b>Maximum Gigabit Ethernet Length @ 1300nm:</b>	600

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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