

**M9A004 Fiber - Tight Buffer Interconnect Cables - Plenum (OFNP)**

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)**

<b>Fiber Type:</b>	50/125/900 Micron
<b>Number of Fibers:</b>	2
<b>Core Diameter:</b>	50 +/- 2.5
<b>Core Non-Circularity:</b>	5% Maximum
<b>Clad Diameter:</b>	125 +/- 2
<b>Clad Non-Circularity:</b>	2% Maximum
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245 +/- 10
<b>Secondary Coating Material:</b>	Plenum Grade PVC - Polyvinyl Chloride
<b>Secondary Coating Diameter:</b>	900 +/- 50

**Fiber Color Code Chart:**

Color
Blue
Orange

<b>Core-clad Offset:</b>	3 Microns Maximum
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**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

<b>Outer Jacket Nominal Wall Thickness:</b>	.020
<b>Outer Jacket Color:</b>	Orange

**Strength Member**

<b>Strength Member Material:</b>	Aramid Yarn
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**Overall Cabling**

<b>Overall Nominal Diameter:</b>	0.114 x 0.233 in.
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**Mechanical Characteristics (Overall)**

<b>Storage Temperature Range:</b>	-40°C To +70°C
<b>Operating Temperature Range:</b>	-20°C To +70°C
<b>Bulk Cable Weight:</b>	13 lbs/1000 ft.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	1.700 in.
<b>Min. Bend Radius for Long Term Application:</b>	1.100 in.
<b>Crush Resistance:</b>	EIA-455-41, 200 N/cm
<b>Impact Resistance:</b>	EIA-455-25, 20 Impacts w/1.0 N-m
<b>Cyclic Flexing:</b>	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>	OFNP
<b>CEC/C(UL) Specification:</b>	OFN
<b>IEEE Specification:</b>	802.3Z

**Flame Test**

<b>UL Flame Test:</b>	NFPA 262
<b>C(UL) Flame Test:</b>	FT6

**Suitability**

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

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	Yes
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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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