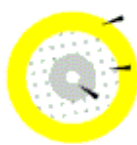


M9W001 Fiber - Tight Buffer Interconnect Cables - Riser (OFNR)

OUTER JACKET
 ARAMID STRENGTH
 ELEMENTS
 TIGHT BUFFERED
 FIBER



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:	Single Mode/125/900 Micron
Number of Fibers:	1
Core Diameter:	8.3
Mode Field Diameter @ 1310nm:	9.2 +/- 0.4
Mode Field Diameter @1550nm:	10.5 +/- 1.0
Clad Diameter:	125 +/- 1.0
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
Yellow

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:	0.114 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:	5.600 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	2 in.
Min. Bend Radius for Long Term Application:	1 in.

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Crush Resistance:	EIA-455-41, 200 N/cm
Impact Resistance:	EIA-455-25, 20 Impacts w/1.0 N-m
Max. Load for Installation:	106 lbs.
Max. Load for Long Term Application:	35 lbs.
Proof Test:	100 kpsi

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

NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1666 Riser
C(UL) Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

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

Maximum Attenuation @ 1310nm:	0.8 dB/km
Maximum Attenuation @ 1550nm:	0.5 dB/km
Point Loss @ 1310 & 1550nm:	0.1
Dispersion @ 1310nm:	3.5
Dispersion @ 1550 nm:	18.0
Dispersion Slope:	0.092 maximum
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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