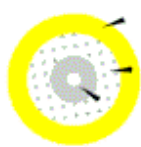


M9W003 Fiber - Tight Buffer Interconnect Cables - Plenum (OFNP)



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
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:	Plenum Grade PVC - Polyvinyl Chloride
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
Plenum Grade 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:	6 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-455-104, 20 Impacts w/1.0 N-m
Cyclic Flexing:	EIA-455-104, 100 Cycles min.

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Max. Load for Installation:	90 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:	OFNP
CEC/C(UL) Specification:	OFN

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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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
Zero Dispersion Wavelength:	1310 +/- 10
Cutoff Wavelength:	1260 Maximum
Refractive Index @ 1310nm:	1.4695
Refractive Index @ 1550nm:	1.44701
Maximum Gigabit Ethernet Length @ 1300nm:	5000

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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