

M9W004 Fiber - Tight Buffer Interconnect Cables - Plenum (OFNP)



For more Information
please call

1-800-Belden1

Description:

Belden's® new interconnect cordage has been updated with Gigabit Ethernet grade fiber to handle emerging Gigabit Ethernet light sources and expanded bandwidth requirements as well as conventional LED light sources.

Physical Characteristics (Overall)

Fiber Type:	Single Mode/125/900 Micron
Number of Fibers:	2
Core Diameter:	8.3
Mode Field Diameter @ 1310nm:	9.2 +/- 0.4
Mode Field Diameter @1550nm:	10.5 +/- 1.0
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
Blue
Orange

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 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:	13 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

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Cyclic Flexing:	EIA-455-104, 100 Cycles min.
Max. Load for Installation:	180 lbs.
Max. Load for Long Term Application:	70 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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