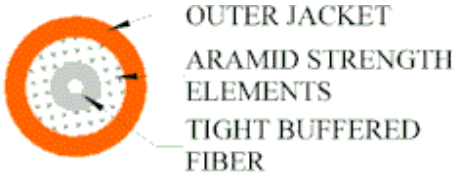
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

M9A003 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)

Fiber Type:	50/125/900 Micron
Number of Fibers:	1
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:	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900 +/- 50

Fiber Color Code Chart:

Color
Orange

Core-clad Offset:	3 Microns Maximum

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness:	.020
Outer Jacket Color:	Orange

Strength Member

Strength Member Material:	Aramid Yarn

Overall Cabling

Overall Nominal Diameter:	0.114 in.

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-455-25, 20 Impacts w/1.0 N-m
Cyclic Flexing:	EIA-455-104, 100 Cycles min.
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
IEEE Specification:	802.3Z

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

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Point Loss @ 850nm & 1300nm:	0.2
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.493
Refractive Index @ 1300nm:	1.479
Numerical Aperature:	.200
Maximum Gigabit Ethernet Length @ 850nm:	600
Maximum Gigabit Ethernet Length @ 1300nm:	600

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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