Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



M9A623 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)



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For more Information please call

1-800-Belden1



Description:

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	50/125/900 Micron	
Number of Fibers:	96	
Core Diameter:	50	
Clad Diameter:	125	
Primary Coating Material:	Acrylate	
Primary Coating Diameter:	245	
Secondary Coating Material:	Engineering Thermoplastic	
Secondary Coating Diameter:	900	

Fiber Color Code Chart:



Inner Jacket

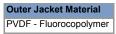
Inner Jacket Nominal Wall Thickness: 0.020

Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black

Outer Jacket

Outer Jacket Material:



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Outer Jacket Nominal Wall Thickness: 0.035

Outer Jacket Diameter:

Nom. Dia. (in.) 0.904

Outer Jacket Ripcord: No

Outer Jacket Color: Orange

Outer Jacket Separator Material: Overall Polyester Tape, 25% overlap

Strength Member

Strength Member Material: Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.904 in.

Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +80°C **Operating Temperature Range:** -20°C To +70°C Min. Bend Radius (Install)/Minor Axis: 13.560 in. Min. Bend Radius for Long Term Application: 9 in. Crush Resistance: 2000 N/cm Impact Resistance: 2000 Impacts w/ 1.6 N-m Cyclic Flexing: 2000 Cycles Min. Max. Load for Installation: 2160 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:

CEC/C(UL) Specification: OFN **IEEE Specification:** 802.3z 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

OFNP

Telecommunications Standards: 568B

Flame Test

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:3.50 dB/kmMaximum Attenuation @ 1300nm:1.25 dB/kmMinimum Bandwidth @ 850nm:500 MHz*kmMinimum Bandwidth @ 1300nm:500 MHz*km

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Maximum Gigabit Ethernet Length @ 850nm: 600

Maximum Gigabit Ethernet Length @ 1300nm: 600

Notes (Overall)

Notes: This cable is designed for use in indooor applications. It can also be used in interbuilding applications as outlined in technical advisory #21.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 0 Revision Date: 05-14-2007

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