

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



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:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua

Inner Jacket

Inner Jacket Nominal Wall Thickness:	0.020
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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:**

Outer Jacket Material
PVDF - Fluorocopolymer

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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: OFNP

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

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/km

Maximum Attenuation @ 1300nm: 1.25 dB/km

Minimum Bandwidth @ 850nm: 500 MHz*km

Minimum 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 indoor 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
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