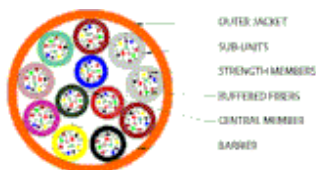


M9A619 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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: 144

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: 0.025

Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

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Outer Jacket Nominal Wall Thickness: 0.057

Outer Jacket Diameter:

Nom. Dia. (in.)

1.008

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: 1.008 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: 15.120 in.

Min. Bend Radius for Long Term Application: 10.080 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles Min.

Max. Load for Installation: 3285 lbs.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: OFNR

CEC/C(UL) Specification: OFN

IEEE Specification: 802.3z

Telecommunications Standards: 568B

Flame Test

C(UL) Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Plenum/Non-Plenum

Plenum (Y/N): No

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

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.

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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