

M9W622 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:	Single Mode/125/900 Micron
Number of Fibers:	96
Core Diameter:	8.3 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 2
Clad Non-Circularity:	1% Maximum
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245 +/- 10
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

Core-clad Offset: 1.5 Microns Maximum

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

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.057

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Outer Jacket Diameter:

Nom. Dia. (in.)

0.895

Outer Jacket Ripcord: Aramid

Outer Jacket Color: Yellow

Strength Member

Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.895 in.

Mechanical Characteristics (Overall)

Storage Temperature Range: -50°C To +80°C

Operating Temperature Range: -40°C To +70°C

Min. Bend Radius (Install)/Minor Axis: 13.425 in.

Min. Bend Radius for Long Term Application: 8.950 in.

Crush Resistance: Passes TIA/EIA 455-41, 2000 N/cm

Impact Resistance: Passes TIA/EIA 455-25, 2000 Impacts w/1.6 N-m

Max. Load for Installation: 1983 lbs.

Max. Load for Long Term Application: 496 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: OFNR

CEC/C(UL) Specification: OFN

Telecommunications Standards: 568B

Other Specification: ITU G.652.d

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 @ 1310nm: 0.80 dB/km

Maximum Attenuation @ 1550nm: 0.50 dB/km

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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