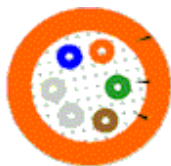


M9A102 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



OUTER JACKET

TIGHT BUFFERED
FIBERARAMID STRENGTH
MEMBERS
 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:	6
Core Diameter:	50
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	LSZH - Low Smoke Zero Halogen
Secondary Coating Diameter:	900

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
LSNH - Low Smoke Non-Halogen

Outer Jacket Nominal Wall Thickness:	0.040
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Outer Jacket Diameter:

Nom. Dia. (in.)
0.220

Outer Jacket Ripcord:	No
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Outer Jacket Color:	Orange
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Strength Member

Strength Member Material:	Aramid Yarn
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Overall Cabling

Overall Nominal Diameter:	0.220 in.
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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:	3.300 in.
Min. Bend Radius for Long Term Application:	2.200 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/ 1.6 N-m

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Cyclic Flexing:	2000 Cycles
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Max. Load for Installation:	270 lbs.
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFNR
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CEC/C(UL) Specification:	OFN
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IEEE Specification:	802.3z
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Telecommunications Standards:	568B
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Flame Test

C(UL) Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.50 dB/km
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Maximum Attenuation @ 1300nm:	1.25 dB/km
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Minimum Bandwidth @ 850nm:	500 MHz*km
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Minimum Bandwidth @ 1300nm:	500 MHz*km
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Maximum Gigabit Ethernet Length @ 850nm:	600
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Maximum Gigabit Ethernet Length @ 1300nm:	600
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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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