

M9A616 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:	48
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: 0.02

Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

Outer Jacket Nominal Wall Thickness: 0.03

Outer Jacket Diameter:

Nom. Dia. (in.)
.599

Outer Jacket Ripcord: No

Outer Jacket Color: Orange

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

M9A616 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)**Strength Member**

Strength Member Material:	Aramid Yarn
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Overall Cabling

Overall Nominal Diameter:	0.599 in.
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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:	11.980 in.
Min. Bend Radius for Long Term Application:	8.985 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/ 1.6 N-m
Cyclic Flexing:	2000 Cycles Min.
Max. Load for Installation:	600 lbs.

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

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

Flame Test

C(UL) Flame Test:	FT6
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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