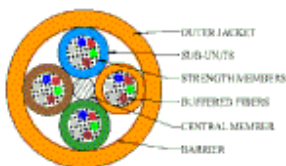


M9A612T Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)

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:	24
Core Diameter:	50 +/- 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:	LS PVC - Low Smoke Polyvinyl Chloride
Secondary Coating Diameter:	900 +/- 50

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White

Core-clad Offset:	1.5 Microns Maximum
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Inner Jacket

Inner Jacket Nominal Wall Thickness:	0.018
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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:	0.025
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Outer Jacket Diameter:

Nom. Dia. (in.)
0.493

Outer Jacket Color:	Orange
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Outer Jacket Separator Material:	Overall Polyester Tape, 25% Overlap
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Strength Member

Strength Member Material:	Aramid Yarn
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M9A612T Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)**Overall Cabling**

Overall Nominal Diameter:	0.493 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:	9.860 in.
Min. Bend Radius for Long Term Application:	7.395 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/ 1.6 N-m
Cyclic Flexing:	2000 Cycles min.
Max. Load for Installation:	1263 lbs.
Max. Load for Long Term Application:	316 lbs.
Proof Test:	100 kpsi

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:	Yes
Sunlight Resistance:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Point Loss @ 850nm & 1300nm:	.2
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.483
Refractive Index @ 1300nm:	1.479
Numerical Aperture:	.2
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.

M9A612T Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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