

M9C048 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:	12
Core Diameter:	50
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	Engineering Thermoplastic
Secondary Coating Diameter:	900

Outer Jacket**Outer Jacket Material:****Outer Jacket Material**

Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.025

Outer Jacket Diameter:**Nom. Dia. (in.)**

0.225

Outer Jacket Color: Aqua

Strength Member

Strength Member Material: Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.225 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:	3.375 in.
Min. Bend Radius for Long Term Application:	2.250 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/ 1.6 N-m
Cyclic Flexing:	2000 Cycles min.
Max. Load for Installation:	300 lbs.

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

NEC/(UL) Specification:	OFNP
CEC/C(UL) Specification:	OFN
IEEE Specification:	802.3z

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Telecommunications Standards:	568B
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Flame Test

C(UL) Flame Test:	FT6
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	No
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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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:	1500 MHz*km
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Minimum Bandwidth @ 1300nm:	500 MHz*km
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Maximum Gigabit Ethernet Length @ 850nm:	300
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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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