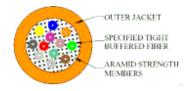


M9B042 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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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:	62.5/125/900 Micron
Number of Fibers:	12
Core Diameter:	62.5 +/- 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 +/- 50

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua

Core-clad Offset: 1.5 Microns Maximum

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color: Orange

Strength Member

Strength Member Material: Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.255 in.

	Mach	anical	Charact	taristics	(Overall)
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Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	27 lbs/1000 ft.

Detailed Specifications & Technical Data





M9B042 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

Min. Bend Radius (Install)/Minor Axis:	3.800 in.
Min. Bend Radius for Long Term Application:	2.600 in.
Max. Load for Installation:	300 lbs.

mini Bena Radias for Long Term Application.	2.000 iii.
Max. Load for Installation:	300 lbs.
Max. Load for Long Term Application:	100 lbs.
Proof Test:	100 kpsi
	" (2 !)

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards &	Environmental	Programs
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NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN
IEEE Specification:	802.3Z

Flame Test

C(UL) Flame Test: FT4

Suitability

Suitability - Indoor:

Suitability - Outdoor:

No

Sunlight Resistance:

No

Plenum/Non-Plenum

Plenum (Y/N): No

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Point Loss @ 850nm & 1300nm:	0.2
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.496
Refractive Index @ 1300nm:	1.491
Numerical Aperature:	.275
Maximum Gigabit Ethernet Length @ 850nm:	300
Maximum Gigabit Ethernet Length @ 1300nm:	550

Reference (Overall)

Previous Part Number: PTD6012

Put Ups and Colors:

Color Notes Item Desc	# Putup Ship Weight	Item #
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Revision Number: 2 Revision Date: 05-14-2007

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Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



M9B042 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)