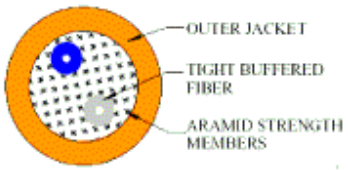
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

M9B037 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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:	2
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

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:	4.674 mm

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	19.347 Kg/Km
Min. Bend Radius (Install)/Minor Axis:	71.120 mm
Min. Bend Radius for Long Term Application:	45.720 mm
Max. Load for Installation:	800.676 N
Max. Load for Long Term Application:	200.169 N
Proof Test:	100 kpsi

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:	Yes
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:	PTD6002

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 2 Revision Date: 05-14-2007