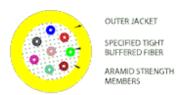
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



M9W046 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:	Single Mode/125/900 Micron
Number of Fibers:	8
Core Diameter:	8.3
Mode Field Diameter @ 1310nm:	9.2 +/- 0.4
Mode Field Diameter @1550nm:	10.5 +/- 1.0
Clad Diameter:	125 +/- 1
Clad Non-Circularity:	1% Maximum
Core-clad Concentricity Error:	0.6 Microns Maximum
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245 +/- 10
Secondary Coating Material:	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900 +/- 50

X

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black

Core-clad Offset: 0.6 Microns Maximum

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.) 0.222

Outer Jacket Color: Yellow

Strength Member

Strength Member Material: Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.222 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:

-40°C To +80°C



Detailed Specifications & Technical Data





Operating Temperature Range:	-20°C To +70°C
Min. Bend Radius (Install)/Minor Axis:	3.330 in.
Min. Bend Radius for Long Term Application:	2.220 in.
Max. Load for Installation:	270 lbs.
Proof Test:	100 kpsi

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Progra	ms
NEC/(UL) Specification:	OFNP

CEC/C(UL) Specification:	OFN
Telecommunications Standards:	568B
Other Specification:	ITU G.652.d

Flame Test

C(UL) Flame Test: FT6

Suitability

Suitability - Indoor: Yes Suitability - Outdoor:

Plenum/Non-Plenum

Plenum (Y/N): Yes

Optical Characteristics (Overall)

0.8 dB/km Maximum Attenuation @ 1310nm: 0.5 dB/km Maximum Attenuation @ 1550nm:

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc	
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No

Revision Number: 0 Revision Date: 05-14-2007

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