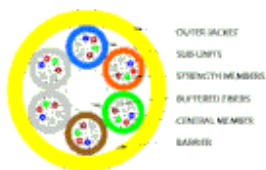


M9W614 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)

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:	36
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

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White

Core-clad Offset:	0.6 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
5	Slate
6	White

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

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Outer Jacket Nominal Wall Thickness: 0.025

Outer Jacket Diameter:

Nom. Dia. (in.)
0.599

Outer Jacket Color: Yellow

Outer Jacket Separator Material: Overall Polyester Tape, 25% Overlap

Strength Member

Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.599 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: 8.985 in.

Min. Bend Radius for Long Term Application: 6 in.

Impact Resistance: 2000 N/cm

Solar Radiation Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 1913 lbs.

Proof Test: 100 kpsi

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

NEC/(UL) Specification: OFNP

CEC/C(UL) Specification: OFN

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2006

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Telecommunications Standards: 568B

Other Specification: ITU G.652.d

Flame Test

C(UL) Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Sunlight Resistance: No

Plenum/Non-Plenum

Plenum (Y/N): Yes

Optical Characteristics (Overall)

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Maximum Attenuation @ 1310nm:	0.8 dB/km
Maximum Attenuation @ 1550nm:	0.5 dB/km
Point Loss @ 1310 & 1550nm:	.1
Dispersion @ 1310nm:	3.5
Dispersion @ 1550 nm:	18
Dispersion Slope:	.092
Zero Dispersion Wavelength:	1310 +/- 10
Cutoff Wavelength:	1260 Maximum
Refractive Index @ 1310nm:	1.4695
Refractive Index @ 1550nm:	1.44701

Notes (Overall)

Notes: The jackets of the 6 fiber groups are printed as follows: "ONE - BLUE", "TWO - ORANGE", "THREE - GREEN", "FOUR - BROWN", "FIVE - GRAY", & "SIX - WHITE"

Reference (Overall)

Previous Part Number: PTDP136

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 2 Revision Date: 06-11-2010

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