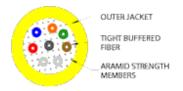
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



M9W040 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



X

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:	Engineering Thermoplastic		
Secondary Coating Diameter:	900 +/- 50		

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
PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.040

Outer Jacket Diameter:

Nom. Dia. (in.) 0.235

Outer Jacket Color: Yellow

Strength Member

Strength Member Material: Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.235 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:

-40°C To +80°C

Detailed Specifications & Technical Data





M9W040 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

Operating Temperature Range:	-20°C To +70°C
Min. Bend Radius (Install)/Minor Axis:	3.525 in.
Min. Bend Radius for Long Term Application:	2.350 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/ 1.6 N-m
Cyclic Flexing:	2000 Cycles min.
Max. Load for Installation:	270 lbs.
Proof Test:	100 kpsi

Applicable Specifications and Agency Compliance (Overall)

Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	OFNR			
CEC/C(UL) Specification:	OFN			
Telecommunications Standards:	568B			
Other Specification:	ITU G.652.d			
Flame Test				
C(UL) Flame Test:	FT4			
Suitability				
Suitability - Indoor:	Yes			
Suitability - Outdoor:	No			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm:	0.80 dB/km
Maximum Attenuation @ 1550nm:	0.50 dB/km

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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

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