

M9W602 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:	Single Mode/125/900 Micron
Number of Fibers:	24
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 Diameter:	900 +/- 50

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White

Core-clad Offset:	0.6 Microns Maximum
--------------------------	---------------------

Inner Jacket**Inner Jacket Color Code Chart:**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color:	Yellow
----------------------------	--------

Strength Member

Strength Member Material:	Aramid Yarn
----------------------------------	-------------

Overall Cabling

Overall Nominal Diameter:	0.496 in.
----------------------------------	-----------

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
-----------------------------------	----------------

M9W602 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	83 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	7.400 in.
Min. Bend Radius for Long Term Application:	5 in.
Max. Load for Installation:	960 lbs.
Max. Load for Long Term Application:	225 lbs.
Proof Test:	100 kpsi

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

NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN

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 @ 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"

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

Revision Number: 3 Revision Date: 05-14-2007

© 2010 Belden, Inc
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract,

M9W602 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.