

## M9W002 Fiber - Tight Buffer Interconnect Cables - Riser (OFNR)



For more Information  
please call

1-800-Belden1

**Description:**

Interconnect Cables are designed for low fiber-count premises environments. They are small and very flexible, making them ideal for confined spaces. Their aesthetic appearance makes these cables suitable for use in open office environments.

**Physical Characteristics (Overall)**

Fiber Type:	Single Mode/125/900 Micron
Number of Fibers:	2
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

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

**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:	0.114 x 0.233 in.
---------------------------	-------------------

**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	12 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	1.700 in.
Min. Bend Radius for Long Term Application:	1.100 in.
Crush Resistance:	EIA-455-41, 200 N/cm
Impact Resistance:	EIA-455-25, 20 Impacts w/1.0 N-m

**M9W002 Fiber - Tight Buffer Interconnect Cables - Riser (OFNR)**

<b>Cyclic Flexing:</b>	EIA-455-104, 100 Cycles min.
<b>Max. Load for Installation:</b>	180 lbs.
<b>Max. Load for Long Term Application:</b>	70 lbs.
<b>Proof Test:</b>	100 kpsi

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

<b>NEC/(UL) Specification:</b>	OFNR
<b>CEC/C(UL) Specification:</b>	OFN

**Flame Test**

<b>UL Flame Test:</b>	UL1666 Riser
<b>C(UL) Flame Test:</b>	FT4

**Suitability**

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	No

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
----------------------	----

**Optical Characteristics (Overall)**

<b>Maximum Attenuation @ 1310nm:</b>	0.8 dB/km
<b>Maximum Attenuation @ 1550nm:</b>	0.5 dB/km
<b>Point Loss @ 1310 &amp; 1550nm:</b>	0.1
<b>Dispersion @ 1310nm:</b>	3.5
<b>Dispersion @ 1550 nm:</b>	18.0
<b>Dispersion Slope:</b>	0.092
<b>Zero Dispersion Wavelength:</b>	1310 +/- 10
<b>Cutoff Wavelength:</b>	1260 Maximum
<b>Refractive Index @ 1310nm:</b>	1.4695
<b>Refractive Index @ 1550nm:</b>	1.44701
<b>Maximum Gigabit Ethernet Length @ 1300nm:</b>	5000

**Put Ups and Colors:**

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

Revision Number: 2    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, 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.