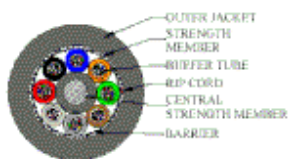


## M9A816 Fiber - Loose Tube Indoor/Outdoor All Dielectric Dry Core-Riser OFNR



For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Loose Tube Optical Fiber Cables are loose-tube buffered cables suited for outdoor applications such as lashed aerial or underground conduit.

**Physical Characteristics (Overall)**

<b>Fiber Type:</b>	50/125/250 Micron
<b>Number of Fibers:</b>	96
<b>Core Diameter:</b>	50
<b>Clad Diameter:</b>	125
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245
<b>Secondary Coating Material:</b>	Engineering Thermoplastic
<b>Secondary Coating Diameter:</b>	250

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua

<b>Buffer Tube Diameter:</b>	2.8
<b>Buffer Tube Material:</b>	Flame Retardant Thermoplastic
<b>Buffer Tube Filling Material:</b>	Synthetic Thixotropic Gel

**Buffer Tube Color Code Chart:**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

<b>Outer Jacket Nominal Wall Thickness:</b>	0.060
---	-------

**Outer Jacket Diameter:**

## M9A816 Fiber - Loose Tube Indoor/Outdoor All Dielectric Dry Core-Riser OFNR

Nom. Dia. (in.)

0.547

Outer Jacket Ripcord: Yes

Outer Jacket Color: Black

Outer Jacket Separator Material: Overall Water Blocking Tape, 25% overlap

## Strength Member

Strength Member Material: Aramid Yarn

## Overall Cabling

Overall Nominal Diameter: 0.547 in.

## Mechanical Characteristics (Overall)

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

Operating Temperature Range: -40°C To +70°C

Min. Bend Radius (Install)/Minor Axis: 10.940 in.

Min. Bend Radius for Long Term Application: 8.200 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Max. Load for Installation: 600 lbs.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: OFNR

CEC/C(UL) Specification: OFN

IEEE Specification: 802.3z

Telecommunications Standards: 568B

## Flame Test

C(UL) Flame Test: FT4

## Plenum/Non-Plenum

Plenum (Y/N): No

## Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 3.00 dB/km

Maximum Attenuation @ 1300nm: 1.00 dB/km

Minimum Bandwidth @ 850nm: 500 MHz\*km

Minimum Bandwidth @ 1300nm: 500 MHz\*km

Maximum Gigabit Ethernet Length @ 850nm: 600

Maximum Gigabit Ethernet Length @ 1300nm: 600

## Put Ups and Colors:

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

Revision Number: 0 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,

---

## M9A816 Fiber - Loose Tube Indoor/Outdoor All Dielectric Dry Core-Riser OFNR

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.