

## M9W837 Fiber - Loose Tube Indoor/Outdoor All Dielectric Dry Core-Riser OFNR



For more Information  
please call

1-800-Belden1

## Description:

## Physical Characteristics (Overall)

Fiber Type:	Single Mode 125/245 Micron
Number of Fibers:	144
Core Diameter:	8.3
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	Engineering Thermoplastic
Secondary Coating Diameter:	250

## Fiber Color Code Chart:

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

Buffer Tube Diameter:	2.8
Buffer Tube Material:	Flame Retardant Thermoplastic
Buffer Tube Filling Material:	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
9	Yellow
10	Violet
11	Rose
12	Aqua

## Outer Jacket

## Outer Jacket Material:

Outer Jacket Material
LSZH - Low Smoke Zero Halogen

Outer Jacket Nominal Wall Thickness:	0.060
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## Outer Jacket Diameter:

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Nom. Dia. (in.)

0.700

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, Fiberglass Epoxy Rod

**Overall Cabling**

Overall Nominal Diameter: 0.700 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: 14 in.

Min. Bend Radius for Long Term Application: 10.500 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Max. Load for Installation: 600 lbs.

Max. Load for Long Term Application: 150 lbs.

**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

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Optical Characteristics (Overall)**

Maximum Attenuation @ 1310nm: 0.40 dB/km

Maximum Attenuation @ 1550nm: 0.30 dB/km

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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