

**M9W893 Fiber - Loose Tube Indoor/Outdoor Armored Dry Core - Riser (OFCR)**

For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Loose Tube (Campus) Armor Optical Fiber Cable Series is made up of rugged fiber cables for applications in hostile environments. This series of cables has corrugated steel armor which provides added protection for direct burial applications

**Physical Characteristics (Overall)**

<b>Fiber Type:</b>	Single Mode 125/245 Micron
<b>Number of Fibers:</b>	36
<b>Core Diameter:</b>	8.3
<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

<b>Buffer Tube Diameter:</b>	1.9
<b>Buffer Tube Material:</b>	PBT - Polybutylene Terephthalate
<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

**Inner Jacket**

<b>Inner Jacket Nominal Wall Thickness:</b>	0.030
<b>Inner Jacket Ripcord:</b>	Yes

**Inner Jacket Color Code Chart:**

Number	Color
1	Black

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

Outer Jacket Material

## M9W893 Fiber - Loose Tube Indoor/Outdoor Armored Dry Core - Riser (OFCR)

PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.065

Outer Jacket Diameter:

 Nom. Dia. (in.)  
 0.540

Outer Jacket Ripcord: Yes

Outer Jacket Color: Black

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

## Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

## Armor

Armor Type: Corrugated Steel Tape

Armor Material: Steel

## Overall Cabling

Overall Nominal Diameter: 0.540 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: 10.800 in.

Min. Bend Radius for Long Term Application: 8.100 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: OFCR

CEC/C(UL) Specification: OFC

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2006

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

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

---

**M9W893 Fiber - Loose Tube Indoor/Outdoor Armored Dry Core - Riser (OFCR)**

---

**Put Ups and Colors:**

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

Revision Number: 1    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.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.