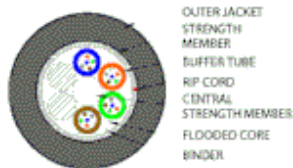


## M9W500 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket



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>	Single Mode 125/245 Micron
<b>Number of Fibers:</b>	24
<b>Core Diameter:</b>	8.3
<b>Clad Diameter:</b>	125 +/- 2
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245 +/- 10
<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

<b>Core-clad Offset:</b>	1.5 Microns Maximum
--------------------------	---------------------

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

Outer Jacket Material
MDPE - Medium Density Polyethylene

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

**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.375

<b>Outer Jacket Ripcord:</b>	Polyester
------------------------------	-----------

**M9W500 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket**

Outer Jacket Color:	Black
---------------------	-------

**Strength Member**

Strength Member Material:	Fiberglass Epoxy Rod, Aramid Yarn
---------------------------	-----------------------------------

**Overall Cabling**

Overall Cabling Fillers:	Polyethylene
--------------------------	--------------

Overall Nominal Diameter:	0.375 in.
---------------------------	-----------

**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-50°C To +80°C
----------------------------	----------------

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

Min. Bend Radius (Install)/Minor Axis:	7.500 in.
--	-----------

Min. Bend Radius for Long Term Application:	5.600 in.
---	-----------

Crush Resistance:	Passes TIA/EIA 455-41, 2000 N/cm
-------------------	----------------------------------

Impact Resistance:	Passes TIA/EIA 455-25, 2000 Impacts w/1.6 N-m
--------------------	---

Max. Load for Installation:	600 lbs.
-----------------------------	----------

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

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 & Cable):	Yes
-----------------------------------	-----

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

Telecommunications Standards:	568B
-------------------------------	------

Other Specification:	ITU G.652.d
----------------------	-------------

**Plenum/Non-Plenum**

Plenum (Y/N):	No
---------------	----

**Optical Characteristics (Overall)**

Maximum Attenuation @ 1310nm:	0.40 dB/km
-------------------------------	------------

Maximum Attenuation @ 1550nm:	0.30 dB/km
-------------------------------	------------

**Notes (Overall)**

**Notes:** Cable is flooded for moisture protection.

**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, 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,

---

## **M9W500 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket**

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.