

## B9B510T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket



For more Information  
please call

1-800-Belden1



### General Description:

FiberExpress Single Jacket-All Dielectric Cable, 6-Fiber, OM1 OSP, Loose Tube, Outdoor Rated with UV Resistant Black Jacket, No grounding required, Suited for aerial lashing and underground conduit.

### Physical Characteristics (Overall)

<b>Product Family - Note:</b>	See the Related Document section below for the Technical Data on this Product Family.
<b>Fiber Type:</b>	62.5 Micron (OM1)
<b>Number of Fibers:</b>	6
<b>Core Diameter:</b>	62.5
<b>Clad Diameter:</b>	125
<b>Primary Coating Diameter:</b>	250
<b>Buffer Tube Material:</b>	Thermoplastic

#### Outer Jacket

##### Outer Jacket Material:

<b>Outer Jacket Material</b>
PE - Polyethylene

**Outer Jacket Color:** BLACK

#### Strength Member

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

#### Overall Cable

**Overall Nominal Diameter:** 10.414 mm

### Mechanical Characteristics (Overall)

<b>Storage Temperature Range:</b>	-40°C To +75°C
<b>Installation Temperature Range:</b>	-30°C To + 70°C
<b>Operating Temperature Range:</b>	-40°C To +70°C
<b>Bulk Cable Weight:</b>	83.339 Kg/Km
<b>Min. Bend Radius/Minor Axis:</b>	208.280 mm
<b>Min. Bend Radius for Long Term Application:</b>	104.140 mm
<b>Max. Load for Installation:</b>	2668.920 N
<b>Max. Load for Long Term Application:</b>	889.640 N

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	08/22/2008

## B9B510T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

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

### Suitability

Suitability - Indoor:	No
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

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

### Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.2 dB/km
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	600 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	300 meters
Maximum Gigabit Ethernet Length @ 1300nm:	550 meters

### Fiber Coding MLT EMEA:

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White

### Related Documents:

[Loose Tube Single Jacket All Dielectric.pdf](#) - Loose Tube Single Jacket All Dielectric technical information.

### Put Ups and Colors:

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

Revision Number: 2    Revision Date: 07-31-2013

© 2019 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.