

## 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>Buffer Tube Material:</b>	Thermoplastic

#### Outer Jacket

**Outer Jacket Material:**

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

#### Strength Member

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

#### Overall Cable

**Overall Nominal Diameter:** 0.410 in.

### 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>	56 lbs/1000 ft.
<b>Min. Bend Radius/Minor Axis:</b>	8.200 in.
<b>Min. Bend Radius for Long Term Application:</b>	4.100 in.
<b>Max. Load for Installation:</b>	600 lbs.
<b>Max. Load for Long Term Application:</b>	200 lbs.

### 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
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

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### Suitability

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### 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
B9B510T	1 FT	0.059 LB	BLACK		SJAD 6F OM1 OSP LT

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