

## B9A510T 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, OM2 OSP, Loose Tube, Outdoor Rated with UV Resistant Black Jacket, No grounding required, Suited for aerial lashing and underground conduit.

### Physical Characteristics (Overall)

Product Family - Other:

Fiber Count	# Fibers/Tubes	Type	OM1 MM 62.5/125 1 Gb	OM2 MM 50/125 1 Gb	OM3 MM 50/125 10 Gb 300m	OM4 MM 50/125 10 Gb 500m	OS2 - SM
6	6	Indoor/Outdoor	B9B810	B9A810	B9C810	B9E810	B9W810
6	6	Outdoor	B9B510T	B9A510T	B9C510T	B9E510T	B9W510T
6	6	In/Outdoor/LSZH	B9B830	B9A830	B9C830	B9E830	B9W830
12	12	Indoor/Outdoor	B9B811	B9A811	B9C811	B9E811	B9W811
12	12	Outdoor	B9B511T	B9A511T	B9C511T	B9E511T	B9W511T
12	12	In/Outdoor/LSZH	B9B831	B9A831	B9C831	B9E831	B9W831
24	12	Indoor/Outdoor	B9B812	B9A812	B9C812	B9E812	B9W812
24	12	Outdoor	B9B500T	B9A500T	B9C500T	B9E500T	B9W500T
24	12	In/Outdoor/LSZH	B9B832	B9A832	B9C832	B9E832	B9W832
36	12	Indoor/Outdoor	B9B813	B9A813	B9C813	B9E813	B9W813
36	12	Outdoor	B9B502T	B9A502T	B9C502T	B9E502T	B9W502T
36	12	In/Outdoor/LSZH	B9B833	B9A833	B9C833	B9E833	B9W833
48	12	Indoor/Outdoor	B9B814	B9A814	B9C814	B9E814	B9W814
48	12	Outdoor	B9B505T	B9A505T	B9C505T	B9E505T	B9W505T
48	12	In/Outdoor/LSZH	B9B834	B9A834	B9C834	B9E834	B9W834
72	12	Indoor/Outdoor	B9B815	B9A815	B9C815	B9E815	B9W815
72	12	Outdoor	B9B507T	B9A507T	B9C507T	B9E507T	B9W507T
96	12	Indoor/Outdoor	B9B816	B9A816	B9C816	B9E816	B9W816
96	12	Outdoor	B9B513T	B9A513T	B9C513T	B9E513T	B9W513T
144	12	Indoor/Outdoor	B9B817	B9A817	B9C817	B9E817	B9W817
144	12	Outdoor	B9B509T	B9A509T	B9C509T	B9E509T	B9W509T
216	12	Outdoor	B9B520T	B9A520T	B9C520T	B9E520T	B9W520T

Fiber Type: 50 Micron (OM2)

Number of Fibers: 6

Core Diameter: 50

Clad Diameter: 125

Primary Coating Diameter: 250

Buffer Tube Material: Thermoplastic

Buffer Tube Filling Material: Gel

### Inner Jacket

Inner Jacket Ripcord: Yes

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material  
PE - Polyethylene

### Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

### Overall Cable

Overall Nominal Diameter: 10.414 mm

### Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +75°C

Installation Temperature Range: -30°C To + 70°C

## B9A510T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

Operating Temperature Range:	-40°C To +70°C
Bulk Cable Weight:	83.339 Kg/Km
Min. Bend Radius/Minor Axis:	208.280 mm
Min. Bend Radius for Long Term Application:	157.480 mm
Max. Load for Installation:	2668.920 N
Max. Load for Long Term Application:	889.640 N

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	08/22/2008
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 - Black only, when supported by messenger wire.
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	2.9 dB/km
Maximum Attenuation @ 1300nm:	0.9 dB/km
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	600 meters
Maximum Gigabit Ethernet Length @ 1300nm:	600 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
B9A510T	1 FT	0.059 LB	BLACK		REPLACED BY FS2L006NF

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## METRIC MEASUREMENT VERSION

### B9A510T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

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