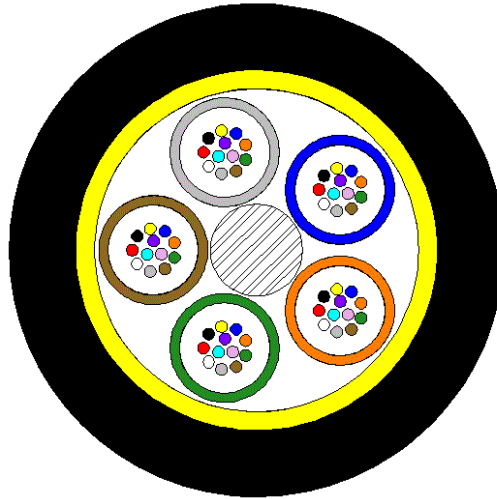


## B9C511T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket



For more  
Information  
please call

1-800-Belden1



**General Description:**

FiberExpress Single Jacket-All Dielectric Cable, 12-Fiber, OM3 OSP, Loose Tube, Outdoor Rated with UV Resistant Black Jacket, No grounding required, Suited for aerial lashing and underground conduit.

**Physical Characteristics (Overall)**

Fiber Type:	50 Micron (OM3)
Number of Fibers:	12
Buffer Tube Material:	Thermoplastic

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	PE - Polyethylene
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**Strength Member**

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

Overall Nominal Diameter:	0.410 in.
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**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +75°C
Installation Temperature Range:	-30°C To +75°C
Operating Temperature Range:	-40°C To +70°C
Bulk Cable Weight:	56 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	8.200 in.
Min. Bend Radius for Long Term Application:	4.100 in.
Max. Load for Installation:	600 lbs.
Max. Load for Long Term Application:	200 lbs.

**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
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

## B9C511T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

Minimum Bandwidth @ 850nm:	1500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	900 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
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

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
B9C511T	1 FT	0.059 LB	BLACK		SJAD 12F OM3 OSP LT

Revision Number: 2    Revision Date: 02-06-2013

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