



For more Information  
please call

1-800-Belden1



### General Description:

FiberExpress Double Jacket-Steel Corrugated Armor Cable, 6-Fiber, OM1 OSP, Loose Tube, Outdoor Rated with UV Resistant Black Jacket, Designed for hostile environment applications - direct burial.

### Fiber

#### Applicable Standards and Agency Compliance Suitability

Sunlight Resistance: Yes

### Physical Characteristics (Overall)

Product Family - Note: See the Related Document section below for the Technical Data on this Product Family.

Fiber Type: 62.5 Micron (OM1)

Number of Fibers: 6

Core Diameter: 62.5

Clad Diameter: 125

Primary Coating Material: 250

Buffer Tube Material: Thermoplastic

Buffer Tube Filling Material: Gel

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material  
PE - Polyethylene

#### Outer Jacket Diameter:

Nom. Dia. (in.)  
0.310

Outer Jacket Color: BLACK

### Strength Member

Strength Member Material: Fiberglass Epoxy Rod

### Armor

Armor Type: Corrugated

Armor Material: Steel

### Overall Cable

Overall Nominal Diameter: 0.590 in.

### Mechanical Characteristics (Overall)

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

# Detailed Specifications & Technical Data



## ENGLISH MEASUREMENT VERSION

### B9B381T Fiber - Outdoor Loose Tube Armored Double Jacket Cable

Installation Temperature Range:	-30°C To +70°C
Operating Temperature Range:	-40°C To +70°C
Bulk Cable Weight:	128 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	12.400 in.
Min. Bend Radius for Long Term Application:	5.900 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):	08/01/2008
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:	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 Double Jacket Armored Cable.pdf](#) - Loose Tube Double Jacket Armored Cable.

##### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9B381T	1 FT	0.108 LB	BLACK		REPLACED BY FS1H0066F

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## ENGLISH MEASUREMENT VERSION

### B9B381T Fiber - Outdoor Loose Tube Armored Double Jacket Cable

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