

**B9C840 Fiber - Outdoor Loose Tube Double Jacket**

For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Loose Tube Optical Fiber Cables are loose-tube buffered cables suited for outdoor applications such as lashed aerial or underground conduit.

**Physical Characteristics (Overall)**

Product Family - Other:

Fiber Count	OM1 - MM 62.5/125 1Gb	OM2 - MM 50/125 1Gb	OM3 - MM 50/125 10Gb 300m	OM4 - MM 50/125 10Gb 500m	OS2 -SM
2	B9B840	B9A840	B9C840	B9E840	B9W840
4	B9B841	B9A841	B9C841	B9E841	B9W841
6	B9B842	B9A842	B9C842	B9E842	B9W842
8	B9B843	B9A843	B9C843	B9E843	B9W843
12	B9B844	B9A844	B9C844	B9E844	B9W844
18	B9B845	B9A845	B9C845	B9E845	B9W845
24	B9B846	B9A846	B9C846	B9E846	B9W846
36	B8B847	B9A847	B9C847	B9E847	B9W847
48	B9B848	B9A848	B9C848	B9E848	B9W848
72	B9B849	B9A849	B9C849	B9E849	B9W849
96	B9B820	B9A820	B9C820	B9E820	B9W820
144	B9B821	B9A821	B9C821	B9E821	B9W821
216	B9B822	B9A822	B9C822	B9E822	B9W822

Fiber Type: 50 Micron (OM3)

Number of Fibers: 2

Buffer Tube Material: Thermoplastic

**Outer Jacket**

Outer Jacket Material:

Layer #	Outer Jacket Material
1	PE - Polyethylene
2	PE - Polyethylene

**Strength Member**

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

**Overall Cable**

Overall Nominal Diameter: 0.440 in.

**Mechanical Characteristics (Overall)**

Storage Temperature Range: -40°C To +70°C

Operating Temperature Range: -40°C To +70°C

Bulk Cable Weight: 70 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 8.800 in.

Min. Bend Radius for Long Term Application: 6.600 in.

Max. Load for Installation: 600 lbs.

Max. Load for Long Term Application: 200 lbs.

**B9C840 Fiber - Outdoor Loose Tube Double Jacket****Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 06/18/2010

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

**Suitability**

Suitability - Outdoor: 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: 1500 MHz\*km

Minimum Bandwidth @ 1300nm: 500 MHz\*km

Maximum Gigabit Ethernet Length @ 850nm: 1000

Maximum Gigabit Ethernet Length @ 1300nm: 600

**Fiber Coding MLT EMEA:**

Fiber/Tube No. Color	
1	Blue
2	Orange
3	Green
4	Brown
5	Gray
6	White
7	Red
8	Black
9	Yellow
10	Purple
11	Rose
12	Aqua

**Related Documents:**
[Loose Tube Double Jacket Heavy Duty Cable.pdf](#) - Loose Tube, Heavy-Duty, Double Jacket Cable.
**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9C840	1 FT	0.000	BLACK		2G5 LT OSP BLK

Revision Number: 0    Revision Date: 10-06-2011

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