



For more Information
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1-800-Belden1



General Description:

FiberExpress Double Jacket-Heavy Duty Cable, 2-Fiber, OM1 OSP, Loose Tube, Outdoor Rated with UV Resistant Black Jacket, Suitable for aerial lashing 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: 62.5 Micron (OM1)

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: 0.490 in.

Mechanical Characteristics (Overall)

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

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

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

Bulk Cable Weight: 79 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 9.800 in.

Min. Bend Radius for Long Term Application: 4.900 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): 06/18/2010

B9B840 Fiber - Outdoor Loose Tube Double Jacket

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 - Outdoor:	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
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9B840	1 FT	0.000	BLACK		DJHD 2F OM1 OSP LT

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