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please call

1-800-Belden1



General Description:

FiberExpress Single Jacket-All Dielectric Cable, 24-Fiber, OM2 OFNR, Loose Tube, Indoor & Outdoor Rated with UV Resistant Black Jacket, No grounding required, Suited for aerial lashing and underground conduit.

Physical Characteristics (Overall)

Product Family - Riser:

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: 24

Buffer Tube Material: Thermoplastic

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

Overall Cable

Overall Nominal Diameter: 12.954 mm

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: 160.726 Kg/Km

Min. Bend Radius/Minor Axis: 259.080 mm

Min. Bend Radius for Long Term Application: 129.540 mm

B9A812 Fiber - All Dielectric Cable - In/Outdoor Riser

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

NEC/(UL) Specification: OFNR

CEC/C(UL) Specification: OFN

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

Flame Test

UL Flame Test: UL1666 Riser

C(UL) Flame Test: FT4

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes

Suitability - Burial: No

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

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
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
B9A812	1 FT	0.084 LB	BLACK		REPLACED BY FD2L024RF

METRIC MEASUREMENT VERSION

B9A812 Fiber - All Dielectric Cable - In/Outdoor Riser

Revision Number: 1 Revision Date: 02-06-2013

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