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1-800-Belden1



General Description:

FiberExpress Distribution Cable, 6-Fiber, OM2 OFNR, Tight Buffer, Indoor Rated with Orange Jacket, High flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	50 Micron (OM2)
Number of Fibers:	6
Core Diameter:	50
Clad Diameter:	125
Primary Coating Diameter:	250
Secondary Coating Diameter:	900
Buffer Tube Material:	Thermoplastic

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color:	Orange
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Strength Member

Strength Member Material:	Aramid Yarn
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Overall Cable

Overall Nominal Diameter:	0.170 in.
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Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +75°C
Installation Temperature Range:	-20°C To +70°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	12 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	3 in.
Min. Bend Radius for Long Term Application:	2 in.
Max. Load for Installation:	286 lbs.
Max. Load for Long Term Application:	60 lbs.

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):	08/01/2008
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

Flame Test

B9A039 Fiber - Distribution Cables - Riser

UL Flame Test: UL1666 Riser

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Suitability - Aerial: No

Suitability - Burial: No

Sunlight Resistance: No

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: 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

Related Documents:

[Distribution Cable.pdf](#) - Distribution Cable technical information.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9A039	1 FT	0.000			REPLACED BY FI2D006R9

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