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1-800-Belden1



### General Description:

FiberExpress Distribution Cable, 12-Fiber, OS2 OFNR, Tight Buffer, Indoor Rated with Yellow Jacket, High flexibility for backbone and horizontal applications.

### Physical Characteristics (Overall)

Fiber Type:	SM, (OS2)
Number of Fibers:	12
Mode Field Diameter @ 1310nm:	9.2
Clad Diameter:	125
Primary Coating Material:	250
Secondary Coating Diameter:	900
Buffer Tube Material:	Thermoplastic

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material  
PVC - Polyvinyl Chloride

Outer Jacket Color: Yellow

### Strength Member

Strength Member Material: Aramid Yarn

### Overall Cable

Overall Nominal Diameter: 5.588 mm

### 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:	25.299 Kg/Km
Min. Bend Radius/Minor Axis:	88.900 mm
Min. Bend Radius for Long Term Application:	63.500 mm
Max. Load for Installation:	444.820 N
Max. Load for Long Term Application:	133.446 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):	08/01/2008
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

## METRIC MEASUREMENT VERSION

## B9W042 Fiber - Distribution Cable - Riser

UL Flame Test:	UL1666 Riser
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CSA Flame Test:	FT4
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	No
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Suitability - Aerial:	No
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Suitability - Burial:	No
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Sunlight Resistance:	No
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Optical Characteristics (Overall)**

Maximum Attenuation @ 1310nm:	.5 dB/km
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Maximum Attenuation @ 1550nm:	.5 dB/km
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Maximum Gigabit Ethernet Length @ 1300nm:	5000 meters
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**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:**

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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9W042	1 FT	0.000			REPLACED BY F1SD012R9

Revision Number: 1    Revision Date: 09-19-2013

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