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please call

1-800-Belden1



**General Description:**

FiberExpress Distribution Cable, 24-Fiber, OM2 OFNR, Tight Buffer, Indoor Rated with Orange Jacket, High flexibility for backbone and horizontal applications.

**Physical Characteristics (Overall)**

Product Family - Riser:

Fiber Count	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	OS2 SM
2	Indoor	B9B037	B9A037	B9C037	B9E037	B9W037
2	LSZH In/ Outdoor	B9B100	B9A100	B9C100	B9E100	B9W100
2	Indoor / Outdoor	B9B037T	B9A037T	B9C037T	B9E037T	B9W037T
4	Indoor	B9B038	B9A038	B9C038	B9E038	B9W038
4	LSZH In/ Outdoor	B9B101	B9A101	B9C101	B9E101	B9W101
4	Indoor / Outdoor	B9B038T	B9A038T	B9C038T	B9E038T	B9W038T
6	Indoor	B9B039	B9A039	B9C039	B9E039	B9W039
6	LSZH In/ Outdoor	B9B102	B9A102	B9C102	B9E102	B9W102
6	Indoor / Outdoor	B9B039T	B9A039T	B9C039T	B9E039T	B9W039T
8	Indoor	B9B040	B9A040	B9C040	B9E040	B9W040
8	LSZH In/ Outdoor	B9B103	B9A103	B9C103	B9E103	B9W103
8	Indoor / Outdoor	B9B040T	B9A040T	B9C040T	B9E040T	B9W040T
12	Indoor	B9B042	B9A042	B9C042	B9E042	B9W042
12	LSZH In/ Outdoor	B9B104	B9A104	B9C104	B9E104	B9W104
12	Indoor / Outdoor	B9B042T	B9A042T	B9C042T	B9E042T	B9W042T
16	LSZH In/ Outdoor	B9B105	B9A105	B9C105	B9E105	B9W105
24	Indoor	B9B602	B9A602	B9C602	B9E602	B9W602
24	Indoor / Outdoor	B9B602T	B9A602T	B9C602T	B9E602T	B9W602T
24*	Indoor	B9B601	B9A601	B9C601	B9E601	B9W601
24*	LSZH In/ Outdoor	B9B107	B9A107	B9C107	B9E107	B9W107
24*	Indoor / Outdoor	B9B601T	B9A601T	B9C601T	B9E601T	B9W601T
36	Indoor	B9B604	B9A604	B9C604	B9E604	B9W604
36	LSZH In/ Outdoor	B9B111	B9A111	B9C111	B9E111	B9W111
36	Indoor / Outdoor	B9B604T	B9A604T	B9C604T	B9E604T	B9W604T
48	Indoor	B9B606	B9A606	B9C606	B9E606	B9W606
48	LSZH In/ Outdoor	B9B112	B9A112	B9C112	B9E112	B9W112
48	Indoor / Outdoor	B9B606T	B9A606T	B9C606T	B9E606T	B9W606T
72	Indoor	B9B609	B9A609	B9C609	B9E609	B9W609
72	LSZH In/ Outdoor	B9B114	B9A114	B9C114	B9E114	B9W114
72	Indoor / Outdoor	B9B609T	B9A609T	B9C609T	B9E609T	B9W609T
96	Indoor	B9B622	B9A622	B9C622	B9E622	B9W622
96	Indoor/Outdoor	B9B922T	B9A622T	B9C622T	B9E622T	B9W622T
96	LSZH In/ Outdoor	B9B116	B9A116	B9C116	B9E116	B9W116
144	Indoor	B9B619	B9A619	B9C619	B9E619	B9W619
144	Indoor/Outdoor	B9B619T	B9A619T	B9C619T	B9E619T	B9W619T
144	LSZH In/ Outdoor	B9B120	B9A120	B9C120	B9E120	B9W120

\*Single jacket design

Fiber Type: 50 Micron (OM2)

Number of Fibers: 24

**Outer Jacket**

Outer Jacket Material:

**Outer Jacket Material**  
PVC - Polyvinyl Chloride

**Strength Member**

Strength Member Material: Aramid Yarn

### Overall Cable

Overall Nominal Diameter: 0.550 in.

### 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:	121 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	8.300 in.
Min. Bend Radius for Long Term Application:	5.500 in.
Max. Load for Installation:	300 lbs.
Max. Load for Long Term Application:	150 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

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
Plenum Number:	B9A612

### 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
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
B9A602	1 FT	0.110 FT	ORANGE		REPLACED BY F12D024RK

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

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