



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Distribution Cable, 24-Fiber, OM3 OFNR, Tight Buffer, Indoor Rated with Aqua 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 (OM3)

Number of Fibers: 24

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: AQUA

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

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 3.0 dB/km

Maximum Attenuation @ 1300nm: 1.2 dB/km

Minimum Bandwidth @ 850nm: 1500 MHz*km

Minimum Bandwidth @ 1300nm: 500 MHz*km

Maximum Gigabit Ethernet Length @ 850nm: 1000 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

Notes (Overall)

Notes: 6 Fibers per PVC-jacketed tube

Related Documents:

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9C602	1 FT	0.104 LB	AQUA		DISTR 24F OM3 OFNR TB

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