

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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B9B611 Fiber - Distribution Cables - Plenum



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Distribution Cable, 24-Fiber, OM1 OFNP, Tight Buffer, Indoor Rated with Orange Jacket, High flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Product Family - Plenum:

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 10 Gb 450m	OS2 SM
2	Indoor	B9B043	B9A043	B9C043	B9E043	B9W043
2	Indoor / Outdoor	B9B043T	B9A043T	B9C043T	B9E043T	B9W043T
4	Indoor	B9B044	B9A044	B9C044	B9E044	B9W044
4	Indoor / Outdoor	B9B044T	B9A044T	B9C044T	B9E044T	B9W044T
6	Indoor	B9B045	B9A045	B9C045	B9E045	B9W045
6	Indoor / Outdoor	B9B045T	B9A045T	B9C045T	B9E045T	B9W045T
8	Indoor	B9B046	B9A046	B9C046	B9E046	B9W046
8	Indoor / Outdoor	B9B046T	B9A046T	B9C046T	B9E046T	B9W046T
12	Indoor	B9B048	B9A048	B9C048	B9E048	B9W048
12	Indoor / Outdoor	B9B048T	B9A048T	B9C048T	B9E048T	B9W048T
24*	Indoor	B9B611	B9A611	B9C611	B9E611	B9W611
24*	Indoor/Outdoor	B9B611T	B9A611T	B9C611T	B9E611T	B9W611T
24	Indoor	B9B612	B9A612	B9C612	B9E612	B9W612
24	Indoor/Outdoor	B9B612T	B9A612T	B9C612T	B9E612T	B9W612T
36	Indoor	B9B614	B9A614	B9C614	B9E614	B9W614
36	Indoor/Outdoor	B9B614T	B9A614T	B9C614T	B9E614T	B9W614T
48	Indoor	B9B616	B9A616	B9C616	B9E616	B9W616
48	Indoor/Outdoor	B9B616T	B9A616T	B9C616T	B9E616T	B9W616T
72	Indoor	B9B620	B9A620	B9C620	B9E620	B9W620
72	Indoor/Outdoor	B9B620T	B9A620T	B9C620T	B9E620T	B9W620T
96	Indoor	B9B623	B9A623	B9C623	B9E623	B9W623
96	Indoor/Outdoor	B9B623T	B9A623T	B9C623T	B9E623T	B9W623T
144	Indoor	B9B621	B9A621	B9C621	B9E621	B9W621
144	Indoor/Outdoor	B9B621T	B9A621T	B9C621T	B9E621T	B9W621T
* Single	jacket design					

Fiber Type: 62.5 Micron (OM1)

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

Overall Cable

Overall Nominal Diameter: 0.340 in.

Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +75°C

Installation Temperature Range: 0°C To +70°C

Operating Temperature Range: 0°C To +70°C

Bulk Cable Weight: 46 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 5.500 in.

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Min. Bend Radius for Long Term Application:	3.500 in.
Max. Load for Installation:	150 lbs.
Max. Load for Long Term Application:	45 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	OFNP
CEC/C(UL) Specification:	OFNP
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:	UL910 Plenum
CSA Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Aerial:	No
Suitability - Burial:	No
Sunlight Resistance:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	B9B601

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.2 dB/km
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	600 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	300 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

Related Documents:

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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B9B611	1 FT	0.050 FT			FI OM1 DIST 24F OFNP OR_JKT
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Revision Number: 1 Revision Date: 02-06-2013

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