

B9C616 Fiber - Distribution Cables - Plenum



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Distribution Cable, 48-Fiber, OM3-BIF OFNP, Tight Buffer, Indoor Rated with Aqua 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: 50 Micron (OM3-BIF)

Number of Fibers: 48

Buffer Tube Material: Thermoplastic

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Strength Member

Strength Member Material: Fiberglass Epoxy Rod

Overall Cable

Overall Nominal Diameter: 0.610 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: 134 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 9.100 in.

B9C616 Fiber - Distribution Cables - Plenum

Min. Bend Radius for Long Term Application:	6.100 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:	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
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL910 Steiner Tunnel
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:	B9C606

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.25 dB/km
Maximum Attenuation @ 1300nm:	1.0 dB/km
Minimum Bandwidth @ 850nm:	OFL 1500 // Laser Optimized 2000 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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9C616	1 FT	0.147 LB	AQUA		REPLACED BY FI3D048PK

B9C616 Fiber - Distribution Cables - Plenum

Revision Number: 3 Revision Date: 03-06-2015

© 2017 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.