

**B9B048 Fiber - Distribution Cable - Plenum**

For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

**Physical Characteristics (Overall)**

<b>Fiber Type:</b>	62.5/125/900 Micron
<b>Number of Fibers:</b>	12
<b>Buffer Tube Material:</b>	Thermoplastic

**Outer Jacket**

**Outer Jacket Material:**

<b>Outer Jacket Material</b>
PVC - Polyvinyl Chloride

**Strength Member**

<b>Strength Member Material:</b>	Aramid Yarn
----------------------------------	-------------

**Overall Cable**

<b>Overall Nominal Diameter:</b>	0.190 in.
----------------------------------	-----------

**Mechanical Characteristics (Overall)**

<b>Storage Temperature Range:</b>	-40°C To +75°C
<b>Installation Temperature Range:</b>	0°C To +75°C
<b>Operating Temperature Range:</b>	0°C To +75°C
<b>Bulk Cable Weight:</b>	20 lbs/1000 ft.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	3.500 in.
<b>Min. Bend Radius for Long Term Application:</b>	2.500 in.
<b>Max. Load for Installation:</b>	239 lbs.
<b>Max. Load for Long Term Application:</b>	119 lbs.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

<b>NEC/(UL) Specification:</b>	OFNP
<b>CEC/C(UL) Specification:</b>	OFNP
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	08/01/2008
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

**B9B048 Fiber - Distribution Cable - Plenum****Flame Test**

UL Flame Test:	UL1666 Riser
----------------	--------------

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
---------------	-----

**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
--	-----

Maximum Gigabit Ethernet Length @ 1300nm:	550
---	-----

**Fiber Coding MLT EMEA:**

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Gray
6	White
7	Red
8	Black
9	Yellow
10	Purple
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
B9B048	1 FT	0.026 LB	ORANGE		12G2 DIST PLN ORG

Revision Number: 0    Revision Date: 01-05-2009

© 2012 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

## **B9B048 Fiber - Distribution Cable - Plenum**

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.