



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Distribution Cable, 48-Fiber, OM3 OFNR, Tight Buffer, Indoor Rated with Aqua Jacket, High flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	50 Micron (OM3)
Number of Fibers:	48
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:	0.610 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:	120 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	9.100 in.
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:	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

B9C606 Fiber - Distribution Cable - Riser

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
B9C606	1 FT	0.155 LB	AQUA		REPLACED BY FI3D048RK

Revision Number: 1 Revision Date: 07-31-2013

© 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.