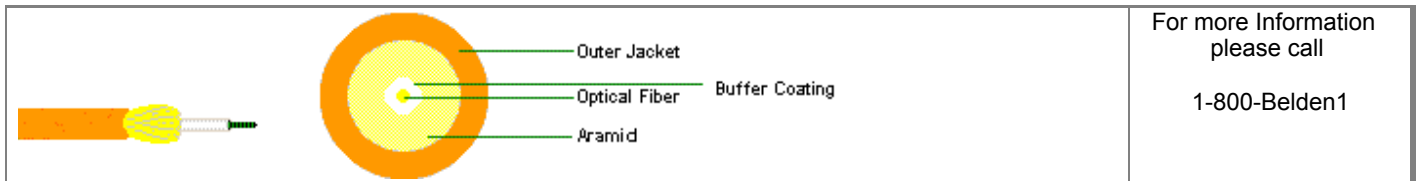


ENGLISH MEASUREMENT VERSION

MB9005 Fiber - BitLite® Interconnect Tight BufferFor more Information
please call

1-800-Belden1

Description

Belden's® new interconnect cordage has been updated with Gigabit Ethernet grade fiber to handle emerging Gigabit Ethernet light sources and expanded bandwidth requirements as well as conventional LED light sources.

Physical Characteristics (Overall):

Fiber Type	62.5/125/900 Micron
Number of Fibers	2
Core Diameter	62.5 +/- 2.5
Core Non-Circularity	5% Maximum
Clad Diameter	125 +/- 2
Clad Non-Circularity	2% Maximum
Primary Coating Material	Acrylate
Primary Coating Diameter	245 +/- 10
Secondary Coating Material	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter	900 +/- 50

Fiber Color Code Chart

Color
Slate

Core-clad Offset	3 Microns Maximum
------------------	-------------------

Inner Jacket:

Inner Jacket Nominal Wall Thickness	0.078
-------------------------------------	-------

Inner Jacket Color Code Chart

Number	Color
1	BLUE
2	ORANGE

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness	0.045
-------------------------------------	-------

Outer Jacket Diameter

Nom. Dia. (in.)
0.260

Outer Jacket Color	ORANGE
--------------------	--------

Strength Member:

Strength Member Material	Aramid Yarn, Fiberglass Epoxy Rod
--------------------------	-----------------------------------

Overall Cabling:

Overall Nominal Diameter:	0.260 in.
---------------------------	-----------

Mechanical Characteristics (Overall):

Operating Temperature Range	-20°C To +70°C
Storage Temperature Range	-40°C To +80°C
Min. Bend Radius (Install):	3.900 in.
Min. Bend Radius for Long Term Application:	2.600 in.
Crush Resistance	2000 N/cm

ENGLISH MEASUREMENT VERSION

MB9005 Fiber - BitLite® Interconnect Tight Buffer

Impact Resistance	2000 Impacts w/ 1.6 N-m
Cyclic Flexing	2000 Cycles min.
Max. Load for Installation:	180 lbs.

Applicable Specifications and Agency Compliance (Overall):**Applicable Standards:**

IEEE Specification	802.3Z
TIA/EIA Specification	568B

Flame Test:

C(UL) Flame Test	OFN
CSA Flame Test	FT4

Suitability:

Suitability - Indoor	Excellent
----------------------	-----------

Plenum/Non-Plenum:

Plenum (Y/N)	Y
Non-Plenum Number	PTS6001

Optical Characteristics (Overall):

Maximum Attenuation @ 850nm	3.50
Maximum Attenuation @ 1300nm	1.25
Point Loss @ 850nm & 1300nm	0.2
Minimum Bandwidth @ 850nm	200
Minimum Bandwidth @ 1300nm	500
Refractive Index @ 850nm	1.496
Refractive Index @ 1300nm	1.491
Numerical Aperture	.275
Maximum Gigabit Ethernet Length @ 850nm	300
Maximum Gigabit Ethernet Length @ 1300nm	550

Revision Number: 0 Revision Date: 05-14-2007

© 2007 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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory; and China Ministry of Information Industry order#39 (China RoHS). EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.