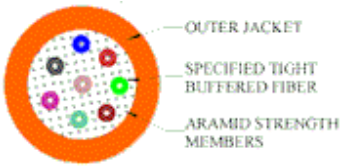
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

M9A046 Fiber - Tight Buffer Distribution Cables - Plenum (OFNP)



For more Information please call

1-800-Belden1

RoHS COMPLIANT ENVIRONMENTALLY FRIENDLY

Description:

Belden® distribution backbone cables offer tight buffer technology and easier cable preparation. The glass fiber performance has been updated to include Gigabit Ethernet Grade fiber to handle Gigabit Ethernet light sources and bandwidth requirements.

Physical Characteristics (Overall)

Fiber Type:	50/125/900 Micron
Number of Fibers:	8
Core Diameter:	50 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 2
Clad Non-Circularity:	1% 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
Blue
Orange
Green
Brown
Slate
White
Red
Black

Core-clad Offset:	1.5 Microns Maximum

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness:	0.025

Outer Jacket Diameter:

Nom. Dia. (in.)
0.222

Outer Jacket Color:	Orange

Strength Member

Strength Member Material:	Aramid Yarn

Overall Cabling

Overall Nominal Diameter:	0.222 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Min. Bend Radius (Install)/Minor Axis:	3.330 in.
Min. Bend Radius for Long Term Application:	2.220 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/ 1.6 N-m
Cyclic Flexing:	2000 Cycles Min.
Max. Load for Installation:	270 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	OFNP
CEC/C(UL) Specification:	OFN
IEEE Specification:	802.3Z
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
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
Telecommunications Standards:	568-B

Flame Test

C(UL) Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	600
Maximum Gigabit Ethernet Length @ 1300nm:	600

Notes (Overall)

Notes: This cable is designed for use in indoor applications. It can also be used in interbuilding applications as outlined in technical advisory # 21.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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