

B9C048 Fiber - Distribution Cables - Plenum

For more Information
please call

1-800-Belden1

**General Description:**

FiberExpress Distribution Cable, 12-Fiber, OM3 OFNP, 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:	12
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

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:	17 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	2.700 in.
Min. Bend Radius for Long Term Application:	1.800 in.
Max. Load for Installation:	239 lbs.
Max. Load for Long Term Application:	400 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:	UL 1666 Riser
CSA Flame Test:	FT6

B9C048 Fiber - Distribution Cables - Plenum**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Aerial:	No
Suitability - Burial:	No
Sunlight Resistance:	No

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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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

Related Documents:

[Distribution Cable.pdf](#) - Distribution Cable technical information.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9C048	1 FT	0.000	AQUA		FI OM3 DIST 12F OFNP AQ_JKT

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