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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
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## Strength Member

Strength Member Material:	Aramid Yarn
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## Overall Cable

Overall Nominal Diameter:	0.610 in.
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## 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		DISTR 48F OM3 OFNR TB

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