

## M9C606 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

For more Information  
please call

1-800-Belden1

## Description:

## Physical Characteristics (Overall)

Fiber Type:	50/125/900 Micron
Number of Fibers:	48
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:	Engineering Thermoplastic
Secondary Coating Diameter:	900 +/- 50

## Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Pink
Aqua

Core-clad Offset:	1.5 Microns Maximum
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## Inner Jacket

## Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

## Outer Jacket

## Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color:	Aqua
Outer Jacket Separator Material:	Overall Polyester Tape, 25% Overlap

## Strength Member

Strength Member Material:	Aramid Yarn
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## Overall Cabling

Overall Nominal Diameter:	0.627 in.
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**M9C606 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)****Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	131 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	9.400 in.
Min. Bend Radius for Long Term Application:	6.300 in.
Max. Load for Installation:	945 lbs.
Proof Test:	100 kpsi

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN
IEEE Specification:	802.3Z
Telecommunications Standards:	568B

**Flame Test**

C(UL) Flame Test:	FT4
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**Suitability**

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

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Optical Characteristics (Overall)**

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Minimum Bandwidth @ 850nm:	1500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	2000
Maximum Gigabit Ethernet Length @ 1300nm:	500

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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