

ENGLISH MEASUREMENT VERSION

# B9B606 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



For more Information please call

1-800-Belden1



# **Description:**

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

Fiber Type:     62.5/125/900 Micron       Number of Fibers:     48       Buffor Tube Material:     Thermoplastic       Outer Jacket Material:     Thermoplastic       Outer Jacket Material:     Diver Jacket Material:       Duter Jacket Material:     Proc. Psyviny Chindred       Strength Member     Strength Member Material:       Overall Cable     0.610 in.       Overall Nominal Diameter:     0.610 in.       Morechanical Characteristics (Overall)     Strength Member Material:       Storage Temperature Range:     -20°C To +75°C       Installation Temperature Range:     -20°C To +70°C       Querating Temperature Range:     -20°C To +70°C       Querating Temperature Range:     -20°C To +70°C       Min. Bend Radius (Install/Minor Axis:     9.100 in.       Min. Bend Radius (Install/Minor Axis:     9.100 in.       Mix. Load for Installation:     65 lbs.       Max. Load for Installation:     965 lbs.       Max. Load for Installation:     0FN R       CEC/CUL Specifications and Agency Compliance (Overall)       Application:     0FN       EU Directive 2000/59/EC (ELV):     Yes       EU	Physical Characteristics (Overall)	
Buffer Tube Material:     Thermoplastic       Outer Jacket     Outer Jacket Material:     Outer Jacket Material:       Outer Jacket Material:     Outer Jacket Material:     Aramid Yarn       Strength Member     Strength Member     Strength Member       Strength Member     0.610 in.     Overall Cable       Overall Cable     0.610 in.     Overall Nominal Diameter:     0.610 in.       Mechanical Characteristics (Overall)     Storage Temperature Range:     -20°C To +75°C     Installation Temperature Range:     -20°C To +70°C       Bulk Cable Weight:     120 lbs/1000 ft.     Min. Bend Radius (Install/Minor Axis:     9.100 in.       Min. Bend Radius for Long Term Application:     6.100 in.     Max. Load for Installation:     956 lbs.       Max. Load for Long Term Application:     476 lbs.     Applicable Standards & Environmental Programs       NEC/(UL) Specifications and Agency Compliance (Overall)     Applicable Standards & Environmental Programs     OFNR       EU Directive 2000/95/EC (ReHS):     Yes     EU Directive 2002/95/EC (ReHS):     Yes       EU Directive 2002/95/EC (ReHS):     Yes     EU Directive 2002/95/EC (WEEE):     Yes       EU Directive 2002/95/EC (WEEE):     Yes	Fiber Type:	62.5/125/900 Micron
Outer Jacket Outer Jacket Material:   Outer Jacket Material:     Strength Member   Strength Member Material:     Strength Member   0.610 in.     Overall Cable   0.610 in.     Mechanical Characteristics (Overall)   Strage 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 (Install/Minor Axis:   9.100 in.     Max. Load for Installation:   956 lbs.     Max. Load for Long Term Application:   6.100 in.     Max. Load for Long Term Application:   476 lbs.     Applicable Standards & Environmental Programs   NEC(UL) Specifications:     VEC/UL) Specification:   OFN     EU Directive 2000/63/EC (ELV):   Yes     EU Directive 2003/32/EC (ELV):   Yes     EU Directive 2003/31/EC (ELV):   Yes     EU Directive 2003/31/EC (ELV):   Yes     EU Directiv	Number of Fibers:	48
Outer Jacket Material:     Durer Jacket Material:     Verail Cable       Strength Member     Aramid Yam       Overail Cable     0.610 in.       Overail Cable     0.610 in.       Member     Storage Temperature Range:     .40°C To +75°C       Installation Temperature Range:     .20°C To +70°C       Depreting Temperature Range:     .20°C To +70°C       Bulk Cable Weight:     .20°C To +70°C       Min. Bend Radius (Install/Minor Axis:     9.100 in.       Min. Bend Radius for Long Term Application:     .6100 in.       Max. Load for Installation:     .956 lbs.       Max. Load for Long Term Application:     .476 lbs.       Applicable Standards & Environmental Programs	Buffer Tube Material:	Thermoplastic
PVC - Polyulnyi Chloride     Strength Member     Strength Member Material:   Aramid Yam     Overall Cable     Overall Nominal Diameter:   0.610 in.     Member Strangt Colspan="2">Strangt Nominal Diameter:   0.610 in.     Member Strangt Colspan="2">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 (Install)/Minor Axis:   9.100 in.     Min. Bend Radius for Long Term Application:   6.100 in.     Max. Load for Installation:   956 lbs.     Max. Load for Installation:   956 lbs.     NEC/(UL) Specifications and Agency Compliance (Overall)     Applicable Standards & Environmental Program     NEC/(UL) Specification:   OFN     EU Directive 2000/53/EC (ELV):   Yes     EU Directive 2000/53/EC (CMEE):   Yes     EU Directive 2002/56/EC (WEEE):   Yes     EU Directive 2002/56/EC (WEEE):   Yes     EU Directive 2003/11/EC (BFR):   Yes     Colspan="		
Strength Member Material:   Aramid Yam     Overall Cable   0.610 in.     Mechanical Characteristics (Overall)		
Overall Cable   0.610 in.     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 (install)/Minor Axis:   9.100 in.     Min. Bend Radius for Long Term Application:   6.100 in.     Max. Load for Installation:   956 lbs.     Max. Load for Long Term Application:   476 lbs.     Applicable Specifications and Agency Compliance (Overall)     Applicable Standards & Environmental Programs     NEC/(UL) Specification:   OFNR     CEC/C(UL) Specification:   OFN     EU Directive 2000/53/EC (ELV):   Yes     EU Directive 2000/53/EC (RoHS):   Yes     EU Directive 2002/96/EC (WEEE):   Yes     EU Directive 2003/11/EC (BFR):   Yes     EU Directive 2003/11/EC (BFR):   Yes	Strength Member	
Overall Nominal Diameter:   0.610 in.     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 (Install/Minor Axis:   9.100 in.     Min. Bend Radius for Long Term Application:   6.100 in.     Max. Load for Installation:   956 lbs.     Max. Load for Installation:   956 lbs.     Max. Load for Long Term Application:   6.100 in.     Applicable Standards & Environmental Programs     NEC/(UL) Specification:   OFNR     CEC/C(UL) Specification:   OFN     EU Directive 2000/53/EC (ELV):   Yes     EU Directive 2002/95/EC (RoHS):   Yes     EU Directive 2002/95/EC (WEEE):   Yes     EU Directive 2003/11/EC (BFR):   Yes     EU Directive 2003/11/EC (BFR):   Yes     EU Directive 2003/11/EC (BFR):   Yes	Strength Member Material:	Aramid Yarn
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 (Install)/Minor Axis:   9.100 in.     Min. Bend Radius for Long Term Application:   6.100 in.     Max. Load for Installation:   956 lbs.     Max. Load for Long Term Application:   476 lbs.     Applicable Specifications and Agency Compliance (Overall)     Applicable Standards & Environmental Programs     NEC/(UL) Specification:   OFN     EU Directive 2000/53/EC (ELV):   Yes     EU Directive 2002/95/EC (RoHS):   Yes     EU Directive 2002/95/EC (WEEE):   Yes     EU Directive 2003/11/EC (BFR):   Yes     EU Directive 2003/11/EC (BFR):   Yes     EU Directive 2003/11/EC (BFR):   Yes	Overall Cable	
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Operating Temperature Range:   -20°C To +70°C     Bulk Cable Weight:   120 lbs/1000 ft.     Min. Bend Radius (Install)/Minor Axis:   9.100 in.     Min. Bend Radius for Long Term Application:   6.100 in.     Max. Load for Installation:   956 lbs.     Max. Load for Long Term Application:   476 lbs.     Applicable Specifications and Agency Compliance (Overall)     Applicable Standards & Environmental Programs     NEC/(UL) Specification:   OFNR     CEC/C(UL) Specification:   OFN     EU Directive 2000/53/EC (ELV):   Yes     EU Directive 2002/95/EC (RoHS):   Yes     EU Directive 2002/96/EC (WEEE):   Yes     EU Directive 2003/11/EC (BFR):   Yes     EU Directive 2003/11/EC (BFR):   Yes	Storage Temperature Range:	-40°C To +75°C
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EU Directive 2003/11/EC (BFR): Yes   CA Prop 65 (CJ for Wire & Cable): Yes	EU RoHS Compliance Date (mm/dd/yyyy):	08/01/2008
CA Prop 65 (CJ for Wire & Cable): Yes	EU Directive 2002/96/EC (WEEE):	Yes
	EU Directive 2003/11/EC (BFR):	Yes
MII Order #39 (China RoHS): Yes	CA Prop 65 (CJ for Wire & Cable):	Yes
	MII Order #39 (China RoHS):	Yes

# **Detailed Specifications & Technical Data**



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# B9B606 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

Flame Test	
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:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.2 dB/km
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	600 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	300

Maximum Gigabit Ethernet Length @ 1300nm: 550

### Fiber Coding MLT EMEA:

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Gray
6	White
7	Red
8	Black
9	Yellow
10	Purple
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
B9B606	1 FT	0.000	ORANGE		48G2 DIST RSR ORG

Revision Number: 0 Revision Date: 04-16-2009

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# B9B606 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)

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