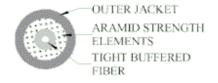


## M98086 Fiber - Tight Buffer Interconnect Cables - Plenum (OFNP)



X

For more Information please call

1-800-Belden1



#### **Description:**

Belden^s® new interconnect cordage has been updated with Gigabit Ethernet grade fiber to handle emerging Gigabit Ethernet light sources and expanded bandwidth requirements as well as conventional LED light sources.

Phy	sical Characteristics (Overall)	
	Fiber Type:	62.5/125/900 Micron
	Number of Fibers:	1
	Core Diameter:	62.5 +/- 2.5
	Core Non-Circularity:	5% Maximum
	Clad Diameter:	125 +/- 2
	Clad Non-Circularity:	2% Maximum
	Primary Coating Material:	Acrylate
	Primary Coating Diameter:	245 +/- 10
	Secondary Coating Material:	Plenum Grade PVC - Polyvinyl Chloride
	Secondary Coating Diameter:	900 +/- 50
(	er Color Code Chart: Color Slate	
	Core-clad Offset:	3 Microns Maximum
	ter Jacket Outer Jacket Material:	
	Outer Jacket Material Plenum Grade PVC - Polyvinyl Chloride	
	Outer Jacket Color:	Orange
Str	ength Member	
	Strength Member Material:	Aramid Yarn
Ov	erall Cabling	
	Overall Nominal Diameter:	0.114 in.
Med	chanical Characteristics (Overall)	
	Storage Temperature Range:	-40°C To +70°C
	Operating Temperature Range:	-20°C To +70°C
	Bulk Cable Weight:	6.300 lbs/1000 ft.
	Min. Bend Radius (Install)/Minor Axis:	2 in.
	Min. Bend Radius for Long Term Application:	1 in.

Max. Load for Long Term Application:

Max. Load for Installation:

106 lbs.

35 lbs.

# **Detailed Specifications & Technical Data**





LISH MEASUREMENT VERSION	SENDING ALL THE RIGHT SIGNALS
	M98086 Fiber - Tight Buffer Interconnect Cables - Plenum (OFNP
Proof Test:	100 kpsi
oplicable Specifications and Agency Co	ompliance (Overall)
pplicable Standards & Environmental Prog	yrams
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:	568B
ame Test	
C(UL) Flame Test:	FT6
uitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
enum/Non-Plenum	
Plenum (Y/N):	Yes
otical Characteristics (Overall)	
Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Point Loss @ 850nm & 1300nm:	0.2
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Point Loss @ 850nm & 1300nm:	0.2
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.496
Refractive Index @ 1300nm:	1.491
Numerical Aperature:	.275

Maximum Gigabit Ethernet Length @ 850nm:	300
Maximum Gigabit Ethernet Length @ 1300nm	550

### Reference (Overall)

PTSP601 **Previous Part Number:** 

## **Put Ups and Colors:**

Putup Ship Weight Color Notes Item Desc	Notes Item Desc	Color	Ship Weight	Putup	Item #
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Revision Date: 05-14-2007 Revision Number: 2

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# **Detailed Specifications & Technical Data**





#### M98086 Fiber - Tight Buffer Interconnect Cables - Plenum (OFNP)

ensure product availability.

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