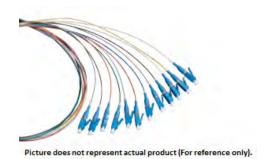
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



FT4LC900PR12 Cable Assemblies - FX FIELD-TERMINATION PIGTAIL



For more Information please call

1-800-Belden1



General Description:

FX FIELD-TERMINATION PIGTAIL, OM4, LC SIMPLEX, TIGHT BUFFER 900 UM, COLOR-CODED 12-FIBER, 2M, ERIKA VIOLET CONNECTOR

Usage (Overall)								
Suitable Applications	s:			Data Centers, Main Equipment Rooms and Telecommunications Rooms				
Related Parts:	Related Parts:			FiberExpress Adapter Strips, FiberExpress Manager Modules and FiberExpress Ultra Frames				
Cable Characteristic	s (Con	nectivity)						
Overall Diameter	- (,						
Overall Nominal Diar	neter:			0.035 in.				
Physical Characteris	stics (C	onnectivity)						
Fiber Type	-							
Fiber Type:				50 Micron (OM4)				
Materials Materials:								
Description	Туре	Material	Color					
Connectors for end 1	LC	Plastic	Erika Violet					
Boots for end 1		Rubber	Erika Violet					
Ferrules for end 1	1.25mm	Zirconia-Ceramic						
Wiring Scheme								
Wiring Scheme:				TIA/EIA 568-C.3				
Weight								
Weight:				0.282 lbs.				
Packaging								
Packaging:				Individually packaged.				
Mechanical Charact	eristics	(Connectivit	y)					
Storage Temperature Range:				-40°C To +75°C				
Operating Temperatu	ıre Range	:		-40°C To +75°C				

Environmental/Mechanical Characteristics:

Test (Method)	TIA 568-D.3	Belden
Thermal Cycling (FOTP-3)	n/a	-40 to 75°C cycling for 7 days
Temperature Life (FOTP-4)	60°C for 4 days	85°C for 7 days
Humidity (FOTP-5)	90-95% at 40°C for 4 days	95% @ 75°C for 7 days
Durability (FOTP-21)	500 cycles	6 x 200 cycles (3 Elevations)
Cable Retention (FOTP-6)	5.0 kg @ 0 deg.	1.94 kg @90 deg.
Flex (FOTP-1)	0.5 kg @ 90° to -90° for 100 cycles	0.9 kg @ 90° to -90° for 100 cycles
Twist (FOTP-36)	1.5 kg for 10 cycles	1.5 kg for 10 cycles

Overall Length Tolerances:

Range	Tolerance	Range	Tolerance	Range	Tolerance
Sx & Dx Patchcord	Sx & Dx Patchcord	MPO Trunk	MPO Trunk	Multi-Fiber Cable Assembly	Multi-Fiber Cable Assembly
0 to 2 meters	+0.2 / -0 meter	0 to 2 meters	+0.2 / -0 meter	0 to 2 meters	+0.2 / -0 meter
2.1 to 5.0 meters	+0.3 / -0 meter	2.1 to 5.0 meters	+0.3 / -0 meter	2.1 to 5.0 meters	+0.3 / -0 meter
5.1 to 40 meters	+0.4 / -0 meter	5.1 to 20 meters	+0.4 / -0 meter	5.1 to 20 meters	+0.4 / -0 meter

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Over 40.1 meters	+ 1.0% / -0%	Over 20.1 meters	+ 1.0% / -0%	Over 20.1 meters	1 1 2 / 0 motor
Over 40.1 meters	+ 1.0% / -0%	Over 20.1 meters	1+ 1.0% / -0%	Over 20. i meters	I + 1.3 / -0 meter

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
MII Order #39 (China RoHS):	EUP 50
Safety Listing:	ACA, Bi-national Standard Listed

Suitability

Suitability - Indoor: Yes

Transmission Characteristics (Connectivity)

Optical Connector Performance:

Description	OM1 (62.5 μm)	OM2 (50 μm)	OM3 (50 μm)	OM4 (50 μm)	OS2 (Singlemode) UPC	OS2 (Singlemode) APC
Maximum IL (dB) SingleFiber Connector LC - SC - ST	0.25 dB	0.25 dB	0.25 dB	0.15 dB	0.35 dB	0.35 dB
Typical RL (dB) SingleFiber connector LC - SC - ST	-30 dB	-30 dB	-30 dB	-30 dB	-55 dB	-65 dB
Maximum IL (dB) MultiFiber Connector MPO	0.5 dB	0.5 dB	0.35 dB	0.2 dB	-	0.75 dB
Typical RL (dB) MultiFiber Connector MPO	-30 dB	-30 dB	-30 dB	-30 dB	-	-60 dB

Electrical Characteristics (Overall)

Notes (Overall)

Notes: Fiber color code; Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

Product Family

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
FT4LC900PR12	1 EA	0.128 KG			FX PIGTAIL OM4 LC_SX TB_900

Revision Number: 0 Revision Date: 11-21-2014

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