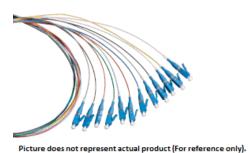
# **Detailed Specifications & Technical Data**

## **METRIC MEASUREMENT VERSION**



# FT3LC900PS01 Cable Assemblies - FX FIELD-TERMINATION PIGTAIL



please call

1-800-Belden1

For more Information



# **General Description:**

Usage (Overall)

FX FIELD-TERMINATION PIGTAIL, OM3, LC SIMPLEX, TIGHT BUFFER 900 UM, SINGLE-ENDED, 2M, AQUA BUFFER

Jage (Overall)							
Suitable Applicat	tions:			DATA CENTERS, MAIN EQUIPMENT ROOMS AND TELECOMMUNICATIONS ROOMS			
Related Parts:				FX ADAPTER STRIPS, FX MANAGER MODULES, FX ULTRA FRAMES, FX UHD SPLICE CASSETTES, FX UHD SPLICE HOUSING KIT			
Multi Conductor							
Physical Character Overall Cabling	ristics						
Overall Cabling F	Fillers:			Refer to cable Technical Specifications			
Overall Diameter	r						
Overall Nominal	Diameter:			0.889 mm			
Physical Charact	eristics (Conne	ctivity)					
Fiber Type	(	· · · · · · · · · · · · · · · · · · ·					
Fiber Type:				50 Micron (OM3)			
Materials Materials:							
Description	Туре	Material	Color				
Connector end 1	LC	Plastic	Aqua				
Boot end 1		Rubber	Aqua				
Ferrule end 1	2.5mm	Zirconia-Ceramic	White				
Jacket	900 um Tight Buffer	OFN	Aqua				
Wiring Scheme							
Wiring Scheme:				TIA/EIA 568-C.3			
Weight							
Weight:				0.036 kg			
Packaging							
				Individually packaged in a clear plastic bag.			
Packaging:				Individually packaged in a clear plastic bag.			
	acteristics (Cor	nectivity)		Individually packaged in a clear plastic bag.			
Packaging: Mechanical Chara Storage Tempera	•	nectivity)		Individually packaged in a clear plastic bag.  -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

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# **Detailed Specifications & Technical Data**

## **METRIC MEASUREMENT VERSION**



## FT3LC900PS01 Cable Assemblies - FX FIELD-TERMINATION PIGTAIL

#### 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
Over 40.1 meters	+ 1.0% / -0%	Over 20.1 meters	+ 1.0% / -0%	Over 20.1 meters	+ 1.3 / -0 meter

## **Applicable Specifications and Agency Compliance (Overall)**

### Applicable Standards & Environmental Programs

Λþ	phicable Standards & Environmental Frograms	
	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
Su	itability	
	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)

**Product Family** 

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
FT3LC900PS01	1 EA	0.034 KG			FX PIGTAIL OM3 LC_SX TB_900

Revision Number: 0 Revision Date: 07-30-2014

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