

FT5LC900FS01 Modular Connectors - FX FUSION LC CONNECTOR

Preview Document. Not Live Data.

For more Information
please call

1-800-Belden1



Description

FX FUSION SPLICE-ON CONNECTOR, OM5, LC SIMPLEX, 900UM TIGHT BUFFER/250UM, LIME GREEN HOUSING, 1/PACK

Usage (Overall):

Suitable Applications	Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTTD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units).
Related Parts	FX Splice-On Installation Kit, FX Pigtails. Not to be used with Breakout kits.

Physical Characteristics (Connectivity):

Dimensions:

Dimensions

Height (in.)	Width (in.)	Length (in.)
0.380	0.240	3.140

Materials:

Materials

Description	Material	Color
Boot	Rubber	Black
Protective Ferrule Cap	Plastic	Opaque
Connector Front Housing	Plastic	Lime green
Connector Rear Housing	Nickel plated zinc alloy diecast	
Ferrule	Zirconia-Ceramic	White

Weight:

Weight: 0.046 lbs.

Included Parts:

Included Parts 900 μm boot, protective ferrule cap, splice protection sleeve

Packaging:

Packaging One (1) connector per pack, each in a dust and moisture resistant clam-shell package

Mechanical Characteristics (Connectivity):

Mechanical Specifications

Test	900μm (SM) per GR-326/1081-CORE	900μm (MM) per TIA 568.3-D	250μm (SM) per GR-326/1081-CORE	250μm (MM) per TIA 568.3-D
Operating Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Storage Temperature	-40° to 85°C	-40° to 85°C	-40° to 85°C	-40° to 85°C
Twist	0.5 kgf (1.1 lbf)	0.20 kgf (0.45 lbf)	0.5 kgf (1.1 lbf)	0.20 kgf (0.45 lbf)
Flex	N/A	0.20 kgf (0.45 lbf)	N/A	0.20 kgf (0.45 lbf)
Transmission with applied load (SC)	0.7 kgf (0° & 90°)	0.25kgf (135°)	N/A	0.5 kgf (0° & 90°)
Transmission with applied load (LC)	0.7 kgf (0°)	0.47 kgf (90°) & 0.17 kgf (135°)	N/A	0.5 kgf (0°)

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Durability	200 cycles at 3 ft	4.5 ft and 6 ft	500 cycles	200 cycles at 3 ft
Cable retention	90° pull	N/A	0.20 kgf (0.45 lbf)	N/A
Cable retention	straight pull	N/A	0.51 kgf (1.12 lbf)	N/A
Intermateability requirements	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards & Environmental Programs:

EU Directive 2011/65/EU (ROHS II)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2013
MII Order #39 (China RoHS)	EUP 50
Telecommunications Standards	GR-1081-CORE (SM) & TIA 568.3-D (MM)

Suitability:

Suitability - Indoor	Yes - Indoor
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Transmission Characteristics (Connectivity):

Transmission Specifications

Fiber type	Maximum Insertion Loss	Minimum reflectance
Single-mode UPC	0.3 dB	-55 dB
Single-mode APC	0.3 dB	-65 dB
Multimode OM1	0.25 dB	-25 dB
Multimode OM3, OM4 & OM5	0.2 dB	-25 dB

Notes (Overall):

Product Family:

Revision Number: 0 Revision Date: 12-17-2019

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