



**Part Number: FX Fusion OM3-4 LC Simplex 900**  
Fusion Splice-On Connector, OM3-4 LC Simplex 900µm

**Product Description**

FX Fusion Splice-On Connector, OM3-4, LC Simplex, 900µm Tight Buffer, Aqua Housing

**Technical Specifications**

**Product Overview**

Part Number:	FT3LC900FS01
Environmental Space:	Indoor
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).

**Construction**

**Fiber Cable Construction**

<b>Fiber Type</b>	
OM3	
Fiber Type:	OM3

**Buffer Specification**

<b>Fiber Type</b>	
OM3	
Weight:	0.021 kg
Height:	9.652 mm
Width:	6.096 mm
Length:	79.756 mm

**Optical Characteristics**

**Mechanical Specifications**

Test	TIA 568.3-D (MM)
Intermateability Requirement	FOCIS compliant with latest revision of TIA-604-10 (LC)
Operating Temp Range	-40° to 85°C
Storage Temp Range	-40° to 75°C
Durability	500 Insertions
Cable retention, straight pull	0.51 kg
Cable retention, 90 degree pull	0.2 kg
Flex	0.20 kg
Twist	0.20 kg
Transmission with Applied Load	0.7 kgf (0°), 0.47 kgf (90°) & 0.17 kgf (135°)

**Mechanical Characteristics**

Maximum Insertion Loss:	0.2 dB
Minimum Reflectance:	-25 dB
Minimum Reflectance @ 1550nm:	-25 dB
Termination Style:	Splice-On

Interconnection Compatibility:	FOCIS compliant with latest revision of TIA-604-10 (LC)
Durabilities@Termination1:	500 Insertions
Cable Retention, Straight Pull:	0.51 kg
Cable retention, 90 degree pull:	0.2 kg

## Temperature Range

Operating Temp Range:	-40° to 85°C
Storage Temp Range:	-40° to 75°C

## Tensile Strength

Flex Rating:	0.20 kg
Twist Rating:	0.20 kg

## Product Material

### Materials

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

## Standards

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

## Additional Notes

Packaging:	One (1) connector per pack, each in a dust and moisture resistant clam-shell package
Included Parts:	900 µm boot, protective ferrule cap, splice protection sleeve
Related Parts:	FX Splice-On Installation Kit, FX Pigtails.

## History

### Variants

Item #	Color	Packaging
FT3LC900FS01	Aqua	One (1) connector per pack, each in a dust and moisture resistant clam-shell package

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