



**Product:** [FX Fusion OS2 LC-APC SX 900](#)

FX Fusion Splice-On Connector, OS2 LC-APC Simplex 900µm



**Product Description**

FX Fusion Splice-On Connector, OS2, LC/APC Simplex, 900µm Tight Buffer, Green Housing

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor, Outdoor
Suitable Applications:	Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTDD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units).

**Construction**

**Fiber Cable Construction**

Fiber Type	
OS2	
Weight:	0.021 kg
Height:	9.652 mm
Width:	6.096 mm
Length:	79.756 mm

**Mechanical Characteristics**

**Mechanical Specifications**

Test	GR-326-CORE/1081-CORE (SM)
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°)
Maximum Insertion Loss:	0.3 dB
Minimum Reflectance:	-65 dB
Minimum Reflectance @ 1550nm:	-65 dB
Termination Style:	Splice-On
Durabilities@Termination1:	500 Insertions

**Temperature Range**

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

**Product Material**

## Materials

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

## Standards

TIA/EIA Compliance:	TIA 568.3-D
EU Directive 2011/65/EU (RoHS 2):	Yes
MIL Order #39 (China RoHS):	EUP 50

## Related Part Numbers

Included Parts:	900 µm boot, protective ferrule cap, splice protection sleeve
Related Parts:	FX Splice-On Installation Kit, FX Pigtails.

## Variants

Item #	Color	Packaging	UPC
FTSLB900FS01	Green	Single Pack	611589217231

## Product Notes

Packaging:	Single Pack
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## History

Update and Revision:	Revision Number: 0.160 Revision Date: 03-04-2023
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