



**Product:** [FX Fusion OS2 LC Simplex 900](#)



FX Fusion Splice-On Connector OS2 LC Simplex 900µm

## Product Description

FX Fusion Splice-On Connector, OS2, LC Simplex, 900µm Tight Buffer, Blue 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
Height:	9.652
Width:	6.096 mm
Length:	79.756 ft

### 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:	0.25 dB
Minimum Reflectance:	-55 dB
Minimum Reflectance @ 1550nm:	-55 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

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

## Standards

TIA/EIA Compliance:	TIA 568.3
EU Directive 2011/65/EU (RoHS 2):	Yes
MII 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.

## Product Notes

Packaging:	Single Pack
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## History

Update and Revision:	Revision Number: 0.315 Revision Date: 05-05-2025
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