



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 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:	-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

Element	Description	Material	Color
Rubber	Boot	Rubber	Black
Plastic	Protective Ferrule Cap	Plastic	Opaque
	Connector Front Housing	Plastic	Blue
Plastic	Connector Rear Housing	Nickel plated zinc alloy diecast	Blue
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.

Product Notes

Packaging:	Single Pack
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History

Update and Revision:	Revision Number: 0.248 Revision Date: 02-13-2024
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