

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

Part Number:	FTSLC900FS01
--------------	--------------

Product Overview

Environmental Space:	Indoor
Environmental Space:	Outdoor
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

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

Optical 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°)

Mechanical Characteristics

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 Temp Range:	-40° to 85°C
-----------------------	--------------

Storage Temp 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

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
FTSLC900FS01	Blue	One (1) connector per pack, each in a dust and moisture resistant clam-shell package

Update and Revision:	Revision Number: 0.61 Revision Date: 10-28-2019
----------------------	---

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.