



**Product:** [FT3LC900FS01](#)

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 Drawing

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

### Technical Specifications

#### Product Overview

Environmental Space:	Indoor, 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

<b>Fiber Type</b>	OM3
Weight:	0.021 lbs
Overall Length:	67.54 mm

#### Mechanical Characteristics

Maximum Insertion Loss:	0.20 dB
Minimum Reflectance:	-25 dB
Minimum Reflectance @ 1550nm:	-25 dB
Termination Style:	Splice-On

#### Product Material

##### Materials

Description	Material	Color
Boot	Rubber	Black
Protective Ferrule Cap	Plastic	White
Connector Front Housing	Plastic	Aqua
Connector Rear Housing	Nickel plated zinc alloy diecast	Metal
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 Pigtails.

## Product Notes

Packaging:	Single Pack
Notes:	This connector is not compatible with UHD Splice Cassettes (FCxHxxLxFxxx type part numbers) and ECX Splice Cassettes (FCxXxxLxFxxx type part numbers). For patch panel termination, please use adapter frames. For workstation outlet applications, use the Multimedia Box (AX107294-6 Port) or the Multi-use Outlet (AX100220-24 Port). For additional information, contact Belden Technical Support.

## History

Update and Revision:	Revision Number: 0.29 Revision Date: 09-16-2025
----------------------	---

© 2025 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.