



**Product:** [FT1LC2MMFS01](#)

FX Fusion Splice-On Connector OM1 LC Simplex 2mm



## Product Description

FX Fusion Splice-On Connector, OM1, LC Simplex, 2mm, Beige 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	4.5 kgf
Cable retention, 90 degree pull	1.5 kgf
Flex	0.9 kgf
Twist	1.35 kgf
Transmission with Applied Load	2 kgf (0°), 1.3 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>	
OM1	
Weight:	0.021 lbs
Overall Length:	153.97 mm

### Mechanical Characteristics

Maximum Insertion Loss:	0.25 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	Beige
Connector Rear Housing	Nickel plated zinc alloy diecast	Metal
Ferrule	Zirconia-Ceramic	White

### Standards

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

## Related Part Numbers

Included Parts:	2 mm 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: 0.30 Revision Date: 09-16-2025
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