



Product: [FX Fusion OM3-4 SC Simplex 900](#)

Fusion Splice-On Connector, OM3-4 SC Simplex 900µm



Product Description

FX Fusion Splice-On Connector, OM3-4, SC Simplex, 900µm Tight Buffer, Aqua 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	
OM3	
Weight:	0.021 kg
Overall Height:	9.652 mm
Overall Width:	6.096 mm
Overall Length:	79.756 mm

Mechanical Characteristics

Mechanical Specifications

Test	TIA 568.3-D (MM)
Intermateability Requirement	FOCIS compliant with latest revision of TIA-604-3 (SC)
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° & 90°), 0.25kgf (135°)
Maximum Insertion Loss:	0.20 dB
Minimum Reflectance:	-25 dB
Minimum Reflectance @ 1550nm:	-25 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	Aqua
Connector Rear Housing	Nickel plated zinc alloy diecast	Metal
Ferrule	Zirconia-Ceramic	White

Standards

TIA/EIA Compliance:	TIA 568.3-D
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.

Variants

Item #	Color	Packaging	UPC
FT3SC900FS01	Aqua	Single Pack	611589217507

Product Notes

Packaging:	Single Pack
------------	-------------

History

Update and Revision:	Revision Number: 0.318 Revision Date: 07-23-2025
----------------------	--

© 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.