



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

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 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

| Fiber Type |           |
|------------|-----------|
| OM3        |           |
| Weight:    | 0.021 kg  |
| Height:    | 9.652 mm  |
| Width:     | 6.096 mm  |
| Length:    | 79.756 mm |

Mechanical Characteristics

Mechanical Specifications

| Test                            | TIA 568.3-D (MM)                                        |
|---------------------------------|---------------------------------------------------------|
| 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:         | 0.2 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

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

Variants

| Item #       | Color | Packaging   | UPC          |
|--------------|-------|-------------|--------------|
| FT3LC900FS01 | Aqua  | Single Pack | 611589217170 |

Product Notes

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.160 Revision Date: 03-04-2023 |
|----------------------|--------------------------------------------------|

© 2024 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.