

LC Field-Installable Fiber Optic Connector

Description

Wirewerks LC Field-Installable Fiber Optic Connector is a pre-polished, pre-assembled connector that eliminates the need for hand polishing and epoxy in the field, allowing fast, reliable, high-quality terminations in the field in less than 2 minutes from stripping to installation. Using a Visual Fault Locator (VFL), a 'light pipe' on the connector body provides instant visual verification of a successful installation. The connector comes with an assembly jig and fiber holder to ensure accurate alignment and fiber cleave when terminating. Wirewerks LC Field-Installable Fiber Optic Connectors are fully compatible with all standard LC connectors and are available in single mode and multimode (50µm or 62.5µm) configurations for termination on 250µm or 900µm tight-buffered fiber.

Features and Benefits

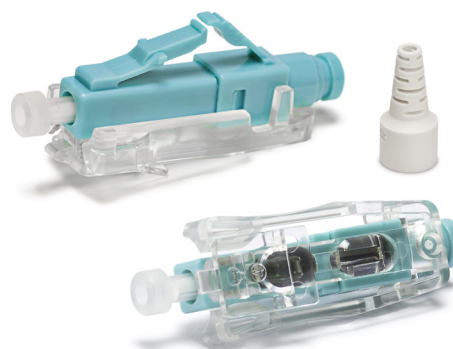
- Fast, simple installation process with reliable, high-performance, high-yield results
- Integrated Visual Fault Locator (VFL) for instant visual verification of termination
- Common 3-Step Procedure for all connector types is easy to learn and repeat
- Low Insertion Loss
- No crimp, no epoxy and no polishing reduces installation time and cost
- Follow TIA/EIA-568-C.3 color identification scheme for easy identification of fiber type; visually compatible with patch cords and connectivity that also follow the color ID scheme

Applications

- Data Centers
- Telecommunications Networks
- Test and Measurement Systems
- Local and Wide Area Networks (LAN and WAN)
- Community Access Television (CATV)
- Fiber to the X (FTTx)

Certification and Compliance

- ANSI/TIA-568-B.3 Optical Fiber Cabling Component Standard
- GR-326-CORE Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
- TIA-604-10 Fiber Optic Connector Intermateability Standard - Type LC
- IEC61754-20 Fibre Optic Connector Interfaces - Part 20: Type LC connector family
- UL 94 Tests for Flammability of Plastic Material for Parts in Devices and Appliances.
- RoHS Directive on Restriction of Hazardous Substances



Part Number	Description	Housing	Boot Color	Packaging
FT-ALCSM	Field terminable LC/UPC connector, OS2, 900µm, tight buffer	Blue	White	Clear Poly bag 1 unit per bag Instruction sheet
FT-ALCMM	Field terminable LC connector, OM1, 900µm, tight buffer	Beige	White	
FT-ALCMM50	Field terminable LC connector, OM2, 900µm, tight buffer	Black	White	
FT-ALCMM10G	Field terminable LC connector, OM3/OM4, 900µm, tight buffer	Aqua	White	

Physical Characteristics

Parameter	Value
Housing Material	High Impact UL 94 V-0 ABS thermoplastic
Connector Ferrule Material	Zirconia Ceramic

Mechanical Characteristics

Parameter	Value
Operating temperature	-40°C (-40°F) ~ 75°C (167°F)
Durability	<0.1dB, 500 mating

Optical Characteristics

Parameter	Single Mode Value	Multimode Value
Maximum Insertion Loss	0.2dB (UPC)	0.1dB
Maximum Return Loss	55dB (UPC)	35 dB

Fail safe feature

Shows signal light when badly terminated

