

### LC Field Installable Connectors

Optronics LC field-installable connectors (FIC) are factory terminated and polished to make fibre terminations fast, easy and reliable. These fibre optic connectors offer terminations in less than 2 minutes without any difficulty and require no epoxy, polishing or crimping. The FIC greatly reduces the installation and set up time. It has a window feature to allow testing with a visual fault locator.

#### Features/Benefits

- > Polished connector incorporating a mechanical splice
- > Available in singlemode and multimode (50/125 and 62.5/125)
- > Durable, reliable and superior optical performance
- > Compatible with standard LC adaptors
- > Termination can be repeated 2-3 times
- > Packaging comes with a cable/buffer stripping template
- > Complies with IEC, EIA/TIA and Telecordia standards
- > Fibre preparation kit available

#### Applications

- > Rapid repair of optical networks
- > FTTH end user termination
- > Hazardous environment termination where fusion splicing is prohibited

#### Technical Specification

DESCRIPTION	
Fibre Type	Singlemode and Multimode
Insertion Loss	≤ 0.4dB (Typical)
Return Loss	≥ 50dB
Polishing Type	UPC and APC

#### Ordering Information

DESCRIPTION	PART NO.
Multimode PC 62.5mm Simplex 900µm	LC62MM9BGFIC/Z
Multimode PC 62.5mm Simplex 2mm	LC62MM2BGFIC/Z
Multimode PC 50mm Simplex 900µm	LC50MM9BGFIC/Z
Multimode PC 50mm Simplex 2mm	LC50MM2BGFIC/Z
Singlemode PC Simplex 900µm	LC09SM9BLFIC/Z
Singlemode PC Simplex 2mm	LC09SM2BLFIC/Z
Singlemode APC Simplex 900µm	LCA09SM9GNFIC/Z
Singlemode APC Simplex 2mm	LCA09SM2GNFIC/Z
Field Installable Connector Preparation Kit	OPT-FIC-PREPKIT/Z
Field Installable Connector Preparation Kit and Inspection Kit	OPT-FIC-PREPKITPLUS/Z



LC APC Singlemode 2mm / 900µm



LC Multimode 2mm / 900µm



LC Singlemode 2mm / 900µm

Use with an Optronics Field Installable Preparation and Inspection Kit to make fibre terminations fast, easy and reliable.



LC Singlemode Exploded view



LC Multimode Exploded View



LC APC Singlemode Exploded View

1

### Strip fibre

Strip and cleave the fibre according to the template provided.



2

### Remove the jig

Remove the plastic jig attached to the underside of the connector.



3

### Insert fibre

Insert the pre-prepared fibre carefully in to the connector body, gently push the fibre towards the body until it stops.



4

### Activate tab

Ensure that the fibre has a bend, then, using your thumb finger, press the button-like activator tab to commence the splice and crimp. Keeping the tab pressed while slowly releasing the bent fibre.



5

### Complete the assembly

Tighten the screw-on boot to the terminated assembly.



Watch the Field Installable Connector Video <<Click Here>>