

Epoxy and Polish LC Connectors

An Evolant™ Solutions Product

Corning
Cable Systems

Description

The epoxy and polish LC connector is a single-fiber small-form-factor connector that provides very high density in a small space. Designed for multimode and single-mode performance, the LC utilizes an RJ latch design for easy mating and removal. The LC uses a 1.25 mm diameter ceramic ferrule to achieve its small size, allowing two duplexed LC connectors to fit in the same space as a simplex SC.

Features / Benefits

- Small size allows higher density
- RJ latch for easy connection
- Bulk packaged for quicker assembly
- Variety of boot colors available
- Meets ANSI/TIA/EIA-568B.3 standard
- Used on 900 μm tight-buffered fiber, 1.6 mm and 2.0 mm single-fiber cable
- Meets TIA/EIA-604-10
- Optional trigger installable after termination



LC Heat-Cured Single-Mode Connector | Photo LAN256

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Specifications

Parameter	Single-mode (untuned)	Single-mode (tuned)	Multimode
Insertion Loss	0.2 dB Average	0.15 dB Average	0.2 dB Average
Reflectance	≤ -55 dB		≤ -20 dB
Temperature Cycling	≤ 0.3 dB change, -40° to +75°C; 21 cycles		same
Durability	≤ 0.2 dB change per FOTP-21, 500 rematings		same
Tensile Strength	≤ 0.2 dB change per FOTP-21		same
Material	Composite Housing; Pre-radiused Zirconia Ferrule		

Ordering Information

Part Number	Description
95-050-LC-BPxy	LC Multimode Connector, 50 μm, bulk packaged in quantities of 100
95-100-LC-BPxy	LC Multimode Connector, 62.5 μm bulk packaged in quantities of 100
95-250-LC-BPxy	LC Single-mode Connector, untuned, bulk packaged in quantities of 100
95-252-LC-BPxy	LC Single-mode Connector, tuned, bulk packaged in quantities of 100
TER-LC-COR-SR-SM	Duplex Adapter for LC Single-mode Connector; senior/senior version
TER-LC-COR-SR-MMZ	Duplex Adapter for LC 62.5 μm Multimode Connector; senior/senior version; zirconia insert
TER-LCS-COR-SR-SM	Simplex Adapter for LC Single-mode Connector; senior/senior version
TER-LCS-COR-SR-MMZ	Simplex Adapter for LC 62.5 μm Multimode Connector; senior/senior version; zirconia insert
TRIGGER-BP-D	LC Duplex Trigger; package of 50
TRIGGER-BP-S	LC Simplex Trigger; package of 100

X = Size: 9 = 900 μm boot only, 2 = 2 mm boot only, 1 = 1.6 mm boot only

Y = Color: B = black, R = red, N = navy blue, W = white, G = green, Y = yellow

Accessories

Part Number	Description
SP1000	Connector Polishing Machine
CPF-LC-12	Polishing Fixture, LC 12 Port, Single-mode and Multimode
TKT-SFF-125	Small-Form-Factor Installation Kit, Includes Heat Gun
TKT-025	Termination Kit for Corning Cable Systems Multimode and Single-mode Heat-Cured Connectors
CCK-CUPC-125	LC Consumables Kit for the SP1000 Polisher; terminates up to 200 connectors
LSCOPE-9	Microscope, 200x
LSCOPE-2	Microscope Adapter for 1.25 mm Ferrule Connectors
SP1000-RPP-85	Polishing Pad for SP1000, 85 durometer
SP1000-GPP	Glass Polishing Plate for SP1000
SP1000-RPP-50	Polishing Pad for SP1000, 50 durometer



Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

1-800-743-2675 • FAX: +1-828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>

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