LC Connectors & Adaptors

Features & Benefits

- · Low insertion loss and back reflection loss
- High precision alignment
- Telcordia, ANSI, TIA/EIA, NTT and JIS compliance
- Compact design

Specifications

LC Adaptor

Durability

Insertion Loss

Operating Temperature

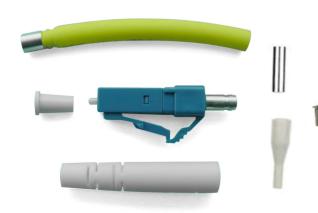
LC Connector Versions Available 2.0 & 3.0 mm patch, 900 µm simplex & duplex Colour Singlemode: blue Multimode: beige Singlemode Insertion loss: Max. 0.3 dB, typical 0.2 dB Return loss: UPC > 50 dB, typical 55 dB APC > 60 dB, typical 65 dB Multimode Insertion loss: Max. 0.3 dB, typical 0.12 dB Mechanical Capillary Diameter 126 +1/-0 µm 1.25 mm ± .001 Ferrule Diameter Pre-radiused, PC-end finish for PC ferrule to ferrule. R 10 to 25 mm 10-55 Hz 1.5 mm P to P Vibration (Mated Pair) =0.3 dB change (IEC 61300-2-1) Mating Durability 1000 mating cycles - clean every 25 < 0.2 dB change (IEC 61300-2-2) High Temperature 75°C for 96 hours =0.2 dB change (IEC 61300-2-18) Damp Heat 60°C at 95% RH 96 hours =0.2 dB change (IEC 61300-2-19) -40 to +85°C 42 cycles Temperature Cycling =0.2 dB change (IEC 61300-2-48) -40°C to +85°C Operating Temperature

The LC connectors and adaptors set the standard for small optical fibre interconnects. With its simple to use latched lever locking mechanism preventing accidental disconnection and precision housing for optimum performance. The LC was also the first Small Form Factor (SFF) connector set available and offers fibre density and performance unheard of before now.

The LC connector uses a 1.25 mm ferrule, half the size of the ST. Otherwise, it is a standard ceramic ferrule connector and its good performance makes it highly favoured for singlemode terminations.

LC connectors are available in both multimode and singlemode and the one-piece design features pre-radiused ceramic ferrules. Suitable for use with two part heat curing epoxies and cold cure anaerobic adhesives.

Ordering Information	
Product Description LC SX Plug SM Pigtail Blue Body - White Boot LC SX Plug SM 2mm Blue Body - Blue Boot LC SX Plug SM 2mm Blue Body - Red Boot	Part Number FFLC1 FFLC2BL FFLC2RE
LC DX Plug SM 2mm Blue Body - White Boot LC DX Plug SM 3mm Blue Body - Blue Boot	FFLC9 FFLC10
LC SX Plug MM Pigtail Aqua Body - White Boot LC SX Plug MM 2mm Aqua Body - White Boot	FFLC5 FFLC12
LC DX Plug MM 2mm Aqua Body - White Boot LC DX Plug MM 3mm Aqua Body - Red & Black Boots	FFLC6 FFLC11
LC DX SM Adaptor Blue - Ceramic Sleeve LC Quad SM Adaptor Blue - Ceramic Sleeve	FFLC37 FFLC45
LC DX MM Adaptor Beige - Ceramic Sleeve LC DX MM Adaptor Aqua - Ceramic Sleeve LC Quad MM Adaptor Aqua - Ceramic Sleeve	FFLC34 FFLC40 FFLC49





< 0.20 dB

-40 to +85°C

< 0.20 dB typical change 1000 matings