

Fibre Optic Cabling

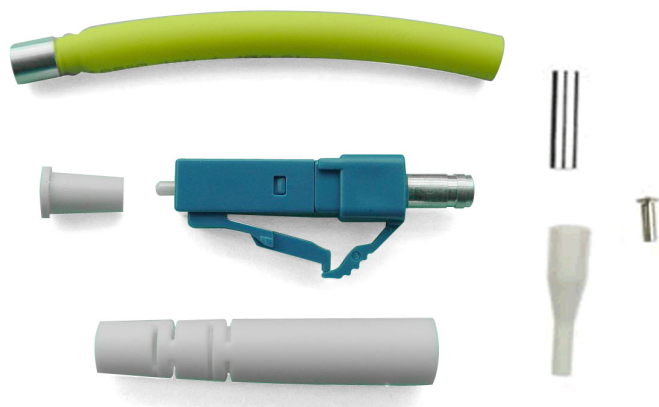
LC Connectors & Adaptors

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.

Features & Benefits

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



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

Product Specifications	
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 +/-0 µm
Ferrule Diameter	1.25 mm ± .001 - Pre-radiused, PC-end finish for PC ferrule to ferrule. R 10 to 25 mm
Vibration (Mated Pair)	10-55 Hz 1.5 mm P to P =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)
Temperature Cycling	-40 to +85°C 42 cycles =0.2 dB change (IEC 61300-2-48)
Operating Temperature	-40°C to +85°C
LC Adaptor	
Insertion Loss	<0.20 dB
Durability	<0.20 dB typical change 1000 matings
Operating Temperature	-40 to + 85°C