



LC stands for Lucent Connector. The LC is a small form-factor fiber optic connector.

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



#### LC Connector Specification

**Colour:**

Blue - single mode Beige - multimode

2.0/3.0mm Cable 900  $\mu$ m Buffered Fibre Simplex & Duplex

**Singlemode Insertion loss:**

Max. 0.3 dB Typical 0.2 dB Return Loss: UPC > 50dB Typical 55 dB APC > 60dB Typical 65 dB Multimode Insertion loss:

Max. 0.3 dB Typical 0.12 dB

**Mechanical Capillary diameter tolerance:**

126  $\pm$ 1/-0  $\mu$ m Ferrule Diameter: 1.25mm  $\pm$  .001 Pre-radiused, PC-end finish for Physical Contact ferrule to ferrule. R 10 to 25mm

**Vibration (Mated Pair):**

(IEC 61300-2-1) 10-55 Hz, 1.5mm P to P =0.3dB Change

**Mating Durability:**

(IEC 61300-2-2) 1000 mating cycles Clean every 25 < 0.2 dB Change

**High Temperature:**

(IEC 61300-2-18) 75°C for 96 hours =0.2dB Change

**Damp Heat:**

(IEC 61300-2-19) 60°C at 95% RH, 96 hours =0.2dB Change

Temperature Cycling (IEC 61300-2-48) -40 to +85°C, 42 cycles =0.2dB Change

Operating Temperature -40°C to +85°C

Connectors are available in both Multimode and Singlemode.

One piece design features pre-radiused ceramic ferrules.

Suitable for use with two part heat curing epoxies and cold cure anaerobic adhesives.