

LC Optical Connector



Technical Specification

Intermateability

Optically and mechanically compatible with all equivalent connectors.
Compliant with IEC 61754-20.

Optical Performance

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
(IEC 874-1 method)

Mechanical

Capillary diameter tolerance: 126 +1/-0 µm
Ferrule Diameter: 1.25mm ± .001
Pre-radiused, PC-end finish for Physical Contact ferrule to ferrule. R 10 to 25mm

Tensile Strength Cable retention:
>50N (2 mm boot versions only)

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

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

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

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

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

Operating Temperature
-40°C to +85°C

Features

- ▶ Available in 2mm patch and 900 µm
- ▶ Termination Procedures : Prep cable end, Epoxy-Crimp-Polish
- ▶ Standard packaging: 100pcs Bulk packed, Special packaging available by request
- ▶ Connector versions available for: 2mm Cable, 900 µm Buffered Fibre, Simplex & Duplex
- ▶ Available in Blue (single mode), Beige (multimode)