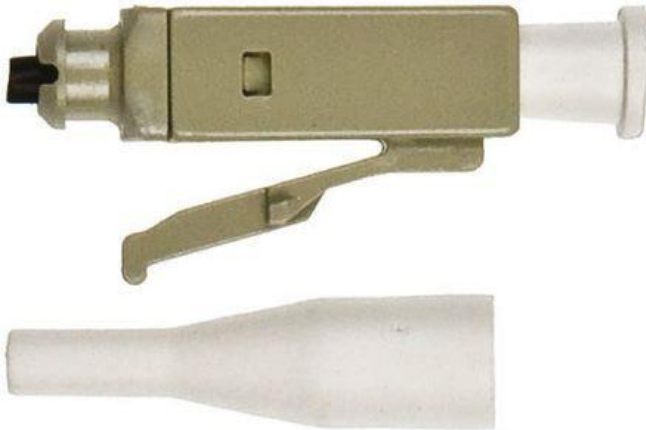


Datasheet

LC PC Multimode Simplex Fibre Optic Connector

RS Stock number 399-066



Description:

The LC Connector was the first small form factor connector on the market. It can be seen extensively in the local area network closet as a standard fit to many market leading hubs and switches. The LC sets the standard for small form factor connectors.

Versions Available

2mm Patch
900mm

Colours

Blue – Single mode
Beige – Multi mode

Termination Procedures

Prep cable end
Epoxy-Crimp-Polish

Shell

Connector versions available for:
2mm Cable
900µm buffered fibre
Simplex & Duplex



Specifications:

Intermateability

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

Optical Performance

Singlemode:

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

Multimode:

Insertion loss: Max. 0.3dB	Typical 0.12dB
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Mechanical

Capillary diameter tolerance: $126 + 1/-0\mu\text{m}$

Ferrule diameter: $1.25\text{mm} \pm .001$

Pre-radiused, PC-end finish for physical contact ferrule to ferrule. R 10 to 25mm

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

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

Mating Durability: (IEC 61300-2-2) 1000 mating cycles, clean every 25, < 0.2dB 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, 96hours, =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