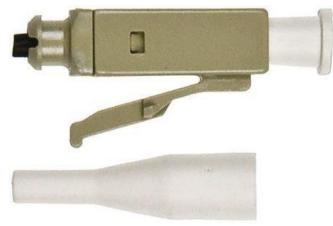


# Professionally approved products. Datasheet

## **LC PC Multimode Simplex Fibre Optic Connector**

RS Stock number 156-279



## **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

<u>Colours</u> Blue – Single mode Beige – Multi mode

<u>Termination Procedures</u> Prep cable end Epoxy-Crimp-Polish

<u>Shell</u> Connector versions available for: 2mm Cable 900µm buffered fibre Simplex & Duplex

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



## Professionally approved products. Datasheet 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

### <u>Mechanical</u> Capillary diameter tolerance: 126 + 1/-0μm Ferrule diameter: 1.25mm <u>+</u> .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 ( EN

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