

LC Connector

Description:

The innovative **LC** design offers a form factor one-half the size of current industry standards, and simple features create a new definition of user-friendliness.

The **LC** connector is manufactured to meet EIA/TIA 568A, FOCIS 10, IEC 61754-20 and CENELEC specifications for optical performance and intermateability. The **LC Duplex** fits into the SC single adapter standard cutout and uses the smallest diameter cable jacket in the industry.

Connector design and boot size allows both cables diameter termination 2 and 3 mm and fiber type 0.9 mm. In addition to standard boot color, black or red boot color is available.

Features:

- One-half the size of current industry standards
- Increases panel density – provides duplex connection in 50% less space
- Duplex fits RJ-45 footprint
- Available in SM, MM versions with standard, Ultra and Angle (APC) polishing
- User-friendly audible latch to indicate proper mating
- Simplex and duplex version available
- Pull – proof 1.6 mm simplex mini-cord, 1.8 x 3.6 mm duplex mini-zip cable



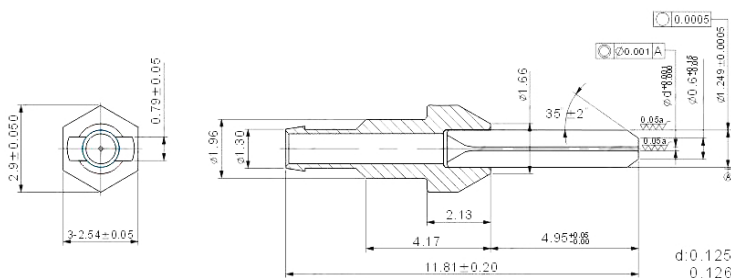
Specifications:

Insertion loss (IL)	Typ.: 0.10 dB
Return loss (RL)	>60 dB for jumpers up to 3 m
Strain relief	Cable 2 and 3 mm: 90 N Fiber 0.9 mm: 5 N
Operating temperature	-40 °C to +80 °C
Durability	Min 1000 cycles
Assembly procedure	Glue and polish
Connection	Physical contact
Lock mechanism	Snap-on
Standards	ISO/IEC 11801, TIA 568A, IEC 61754-20, CENELEC
Ferrule material	Full ceramic zirconia
Connector material	Thermoplastic

Application:

- Telecom
- LAN, WAN
- CATV
- Sensor systems
- Measuring Technique
- Utilities
- Railways

Ferrule dimensions:



LC® is trademark of Lucent Technologies, Inc.

Ordering code:

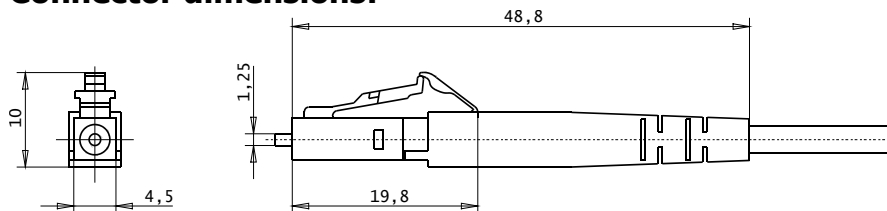
LC-(D) / (A)PC - XX - XX/(XX¹) - XX - XX

Connector type LC LC connector LC-D LC duplex LC-DU LC uniboot dupl.connect.	Color² BL Blue BG Beige GR Green	Zirconia ferrule type Hole (µm) Pre formed shape 5 125 6 126 C Cone 7 127
Connector style MM Multimode SM Singlemode	Boot type 09 Fiber Ø 0.9 mm 20 Cable Ø 2.0 ³ mm 30 Cable Ø 3.0 mm UB Uniboot	

Note: 1) Boot color – Please define if required different from standard: **RD** – Red, **BK** – Black
2) Standard color: Multimode – Connector beige, boot - white
Single mode PC – Connector & Boot blue, APC – Connector & Boot green
3) Cable 2 mm fixation – Crimping ring

Typical application of zirconia ferrules:			
PC -	7C	hole Ø 127 µm, cone	
PC -	6C	hole Ø 126 µm, cone	
APC	5C	hole Ø 125 µm, cone	
			Cone

Connector dimensions:



Samples:



LC/PC-MM-BG-09-7C



LC/PC-MM-BG-20-7C



LC/PC-MM-BG-30-6C



LC/PC-SM-BL-09-6C



LC/PC-SM-BL-20-6C



LC/APC-SM-GR-20-5C



LC-D/PC-SM-BL-20-6C