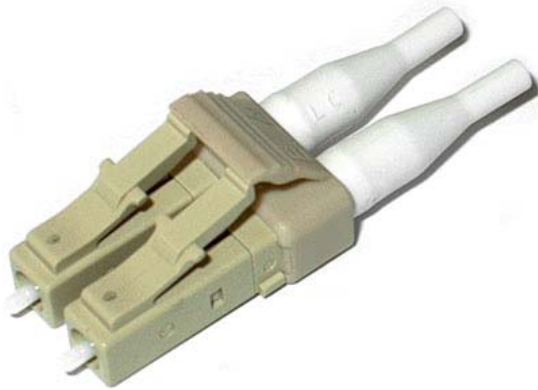


# LC Connector

## 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 RJ-45 standard cutout and uses the smallest diameter cable jacket in the industry.



## 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 Super, Ultra and Angle (APC) polishing
- user-friendly audible latch to indicate proper mating
- simplex and duplex version available
- pull – proof 1.7 mm simplex mini-cord, 1.8 x 3.6 mm duplex minizip cable

## Specifications:

Insertion loss (IL)	typ: 0.10 dB
Return loss (RL)	>60 dB for jumpers up to 3 m
Strain relief	90 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

### Ordering code:

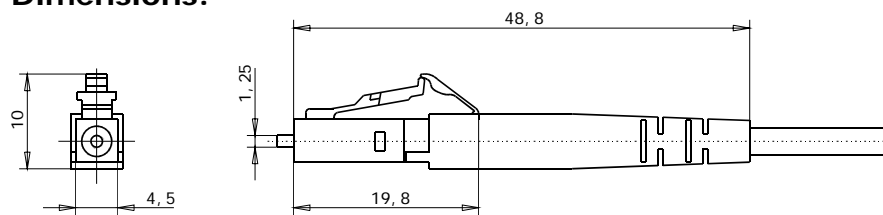
LC-(D) / (A)PC		- XX	- XX	- XX	- X XX
<b>connector type<sup>1)</sup></b>		<b>color</b>		<b>ferrule type<sup>2)</sup></b>	
LC	LC connector	BL	blue	hole	preformed shape
LC-D	duplex LC connector	BG	beige	5	C conical
		GR	green	6	S step
				7	N not applied
					preangled
					F flat
					8° degree
					X° degree
<b>connector style</b>		<b>boot type</b>			
MM	multimode	09	fiber		
SM	singlemode	3B	cable (perforated)		

1) LC / QC LC connector type designed for Quick Cure (field termination kit)

### 2) Standard ferrule types:

MM	7NF	hole Ø 127 µm, not preformed, flat
SM	5NF, 6NF	hole Ø 125(6) µm, not preformed, flat
APC	5CF, 6CF	hole Ø 125(6) µm, conical, flat
	5C8, 6C8	hole Ø 125(6) µm, conical, 8°
	5SF, 6SF	hole Ø 125(6) µm, step, flat

### Dimensions:



### Samples:



LC/PC-SM-BL-3B-6NF



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



D-LC/PC-MM-BG-3B-7NF



D-LC/PC-MM-BG-09-7NF



LC/APC-SM-GR-3B-5CF

LC<sup>®</sup> is trademark of Lucent Technologies, Inc.