

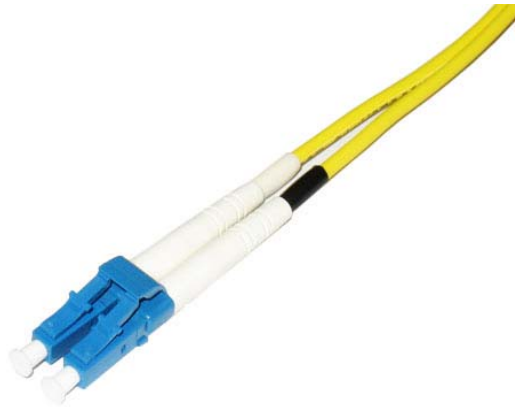
# LC Patchcord

## 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 IEC 11801 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.

NEW!! Patent pending LC Pro-Slide™ connector is design to reduce connector breakage when performing moves, adds, changes and deletes by offering a simple slide action to remove the connector.



## 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 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) (IEC 61300-3-4)	MM	SM Ultra PC	SM Angle PC	SM Angle PC Premium
	0.15 dB typ	0.15 dB typ	0.15 dB typ	0.1 dB max
Return loss (RL) (IEC 61300-3-6)	>30 dB	>50 dB	>60 dB <sup>1</sup>	
Strain relief	90 N			
Operating temperature	-40°C to +80°C <sup>2</sup>			
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			
Adapter material	polymer composite, zirconia sleeve			

Note: 1) RL >80 dB measured with high precision reflectometer  
2) Conditioned by the type of cable

## Application:

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

**Ordering code:**

**AAA (D) - XX XXX - X - (XX)<sup>1</sup> - XXX**

AAA	
Connector Type	Connector Description
LC	LC/PC
ULC	LC/UPC
ULC1	LC/UPC Premium Class 1
NLC	LC/APC
NLC1	LC/APC Premium Class 1
NLC2	LC/APC Premium Class 2
(D) <sup>2</sup>	duplex connector
(DU) <sup>3</sup>	duplex uniboot
(PS) <sup>4</sup>	Duplex Pro-Slide

XX-color      XXX - length [m]

X - type (pigtail or jumper)	
J	jumper
PT	pigtail tight buffered, strip in one shot 0.5 – 10 cm
PS	semitight, strip in one shot 20 – 100 cm
PJ	loose tube - jelly filled
PD	loose tube - dry

XX - diameter of fiber, cable	XXX - type of fiber
fiber	<b>OM1</b> MM 62.5/125 μm
<b>09</b> fiber Ø 0.9 mm	<b>OM2</b> MM 50/125 μm
simplex cable	<b>OM3</b> MM 50/125 μm
<b>17</b> cable Ø 1.7 mm	<b>S2D</b> SM 9/125 μm (G.652D)
<b>20</b> cable Ø 2.0 mm	<b>S5X<sup>6</sup></b> SM 9/125 μm (G.655X)
<b>24</b> cable Ø 2.4 mm	<b>S7X<sup>6</sup></b> SM 9/125 μm (G.657X)
<b>28</b> cable Ø 2.8 mm	
<b>30</b> cable Ø 3.0 mm	
duplex cable	
<b>D1</b> duplex minizip 1.8 x 3.5 mm	
<b>D2</b> dualan cable Ø 2.9 mm	
<b>D3</b> duplex zipcord 2.0 x 4.2 mm	
<b>D4</b> duplex zipcord 2.4 x 5.0 mm	
<b>D8</b> duplex zipcord 2.8 x 5.5 mm	
<b>DT</b> duplex twin 3.1 x 5.2 mm	

Insertion Loss:

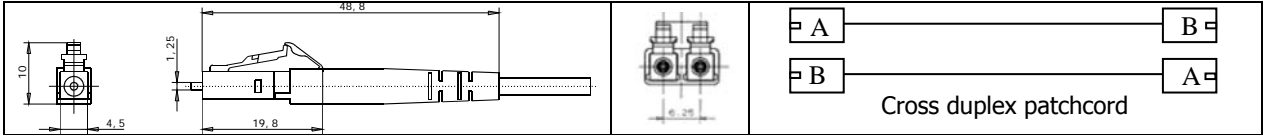
Premium Class (MM)	≤ 0.30 dB
Premium Class 1	≤ 0.10 dB
Premium Class 2	≤ 0.25 dB

Note:  
 1) not filled when color is not defined, default colors will be used – SM-yellow, OM1-blue, OM2-green, OM3-turquoise  
 2) LC D duplex connector  
 3) LC DU duplex uniboot connector  
 4) LC PS duplex Pro-Slide connector  
 5) 2 x LC duplex patchcord with 2 single connectors  
 6) X – according fiber subtypes (e.g. G.655C)

**Color code:**

BK	BN	RD	OG	YE	GN	BU	VT	GY	WH	PK	TQ
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Turquoise

**Dimensions:**



**Samples:**

NLC-20 S2D-J-001



SLC D-2xNE2S-D8 S2D-J-003

