

LC Assemblies



The LC connector was designed by Lucent Technology's Bell Labs. It is a small form factor connector based on the familiar RJ-45 telephone interface and is available in both simplex and duplex designs.

It has a free floating ceramic ferrule allowing for cable movement without adversely affecting the mate. The LC is a spring loaded connector for physical contact butt coupling. It has a pull-proof locking system and couples with an audible latching system to indicate positive mating.

Technical specifications

SINGLEMODE

Insertion Loss: $\leq 0.3\text{dB}$
 Return Loss: $\leq -50\text{dB}$ (Default)
 $\leq -55\text{dB}$ (Ultra)

MULTIMODE

Insertion Loss: $\leq 0.3\text{dB}$

Assembly Code

AA - - - - -

Connector One End

- 23 - LC Singlemode
- 23U - LC Singlemode Ultra Polish
- 29 - LC Multimode
- 32 - LC Duplex Singlemode
- 32U - LC Duplex Singlemode Ultra Polish
- 33 - LC Duplex Multimode

Connector Other End

- 23 - LC Singlemode
- 23U - LC Singlemode Ultra Polish
- 29 - LC Multimode
- 32 - LC Duplex Singlemode
- 32U - LC Duplex Singlemode Ultra Polish
- 33 - LC Duplex Multimode
- OT - Other Connector, please state.
- XX - Pigtail (no connector)

Length (in metres)

ie: 005 is 5 metres, 0.5 is 0.5 metres

Cable

SINGLEMODE

- E - 900um buffered fibre
- J - Duplex 2.0mm OD zip cord
- L - Simplex 2.0mm OD cord

MULTIMODE 50/125um

- F - 900um buffered fibre
 - N - Duplex 2.0mm OD zip cord
- ##### MULTIMODE 62.5/125um
- G - 900um buffered fibre
 - M - Duplex 2.0mm OD zip cord

For other cords, please contact Amphenol

Connector adapters are available, please contact Amphenol for your requirements