

# A&R Wire and Data Products

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## LC Fiber Optic Patch Cables



### LC Fiber optic patch cable cord descriptions

The LC fiber patch cables use a 1.25 mm ferrule, half the size of the ST patch cable. The LC fiber patch cable has good performance and is highly favored for single mode patch cord. LC cable comply with IEC, Telcordia, ANSI/EIA/TIA. The connector of LC patch cable is used on 1.6mm/2.0mm as well as 3.0mm cable.

LC is the fiber optic connector invented by Lucent; it is small form factor connector suit for dense installations. LC has single mode and multimode versions, simplex or duplex, PC, UPC or APC. LC features compact, pull-proof design and RJ-45 style interface. Our LC fiber optic patch cables are compliant to IEC and EIA/TIA standards, they are compatible to use with equipment from other companies. We supply the LC fiber optic connectors, jumper cables, adapters, LC attenuators and related LC fiber optic components.

### Specifications for LC patch cable:

1. Insert Loss:
  - Single mode patch cable:  $\leq 0.3\text{dB}$
  - Multi mode patch cable:  $\leq 0.3\text{dB}$
2. Return Loss:
  - Single mode patch cord: PC  $\leq -50\text{dB}$ ; UPC  $\leq -55\text{ dB}$ ; APC  $\leq -60\text{dB}$
  - Multi mode patch cord:  $\geq 20\text{dB}$
3. Duplicated  $\leq 0.1\text{dB}$
4. Interchangeable  $\leq 0.2\text{dB}$
5. Inserts pulls out the number of times (time)  $\geq 1000$
6. Working Temperature:  $-40\sim+80$
7. Color: Single Mode: Yellow, Multi Mode: Orange

### Features for LC fiber optic patch cable:

High return loss  
Low insertion loss  
Good interchangeability and duplication.  
Made by high quality ceramic sleeve

### Applications for LC patch cord:

Active Device Termination  
FTTX applications  
Telecommunication Networks  
Multimedia

For detailed inquiry please contact our sales team at: [sales@ARWireData.com](mailto:sales@ARWireData.com).