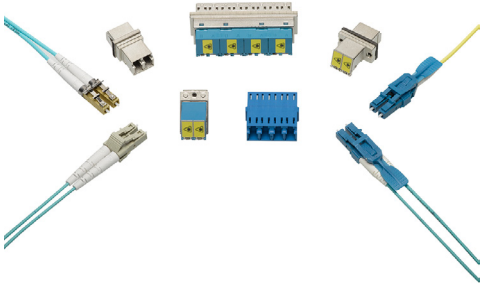


# LC Adapters and Cable Assemblies



**LC Adapters and Cable Assemblies meet the growing demand for small form factor, high-density fiber optic connectivity with simplex, duplex, single-mode and multimode options.**

LC connectors reduce space requirements by 50%, over 2.50mm ferrule connectors, without sacrificing performance. LC connectors are available in industry standard beige (multimode), blue (single-mode) and green (angle polish) colors, and will accommodate 900µm buffered fiber, 1.60mm, 2.00mm, or 3.00mm jacketed cable. With its six-position tuning feature, the connector may be used to achieve unprecedented insertion loss performance by optimizing the alignment of the fiber cores. Additionally, 45° and 90° boot options are available for 1.60mm and 2.00mm jacketed cable. Eight-port, quad, duplex and simplex LC mating adapters are available in blue, beige, green and aqua colors. The adapters are available in snap-mount or screw-mount configurations, ceramic or metal alignment sleeves, ultra-sonic welding or one-body structure, and can also be provided with safety shutters on one or both sides to help prevent eye injuries.



LC Connectors and Adapters

## Features and Advantages

### Adapters

|                                                                                                                                         |                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| New eight-port adapter design                                                                                                           | Accepts eight simplex connectors, four duplex connectors or a combination of the two for design flexibility |
| Safety shutters optional: internal and external shutters for plastic adapters; external shutters for metal adapters                     | Provide laser eye-safety protection when the adapter is not fully populated                                 |
| Adapters available in plastic or metal housings                                                                                         | For design flexibility. Metal housings provide Electro Magnetic Interference (EMI) protection               |
| Screw- and snap-mount styles available on all adapters except eight-port metal adapters which are only available in snap-mount versions | Allows for installation flexibility                                                                         |

### Jumper Assemblies

|                                                                        |                                                                                |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Common and proven technologies combined in the LC connector system     | System delivers a high-performance and easy-to-implement fiber optic interface |
| Tunable connector                                                      | Optimizes insertion loss performance                                           |
| Versatile RJ-45 latching connector system                              | Press-to-release design for ease-of-use                                        |
| Simplex and duplex versions                                            | Provide unidirectional or bidirectional communication                          |
| Tested to Telcordia GR-326 and Compliant to TIA/EIA-604-10A (FOCIS-10) | Ensures long lasting reliability and interminability                           |

## Applications

### Telecommunication Applications

- Data Centers
- Hubs
- Servers
- Routers
- Central Office/Remote Hubs

### Industrial Applications

### Military/Aerospace Applications

### Other Markets

- Optical DVI
- Storage Servers
- Local Area Networks (LANs)
- Premise Distribution



Data Center

# LC Adapters and Cable Assemblies



## Specifications

### REFERENCE INFORMATION

Packaging:  
Eight-Port Adapters:  
Plastic adapters: plastic tray – 25 pieces each  
Metal adapters: plastic tray – 25 pieces each  
Quad Adapters: Individual bag or bulk pack  
UL File No.: Plastics used are UL94-V0  
Mates With: LC simplex or duplex jumper assemblies  
mate with respective simplex, duplex, quad or  
eight-port adapters  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: Yes

### MECHANICAL

Mating Force:  
8.90N (mating for the LC Connectors)  
Durability (min.): 250 mates and de-mates

### PHYSICAL

Connector Ferrule: Zirconia Ceramic  
Housing:  
Plastic (Ultem) and Metal (Zinc) for EMI versions  
Alignment Sleeve:  
Phosphor Bronze or Zirconia Ceramic  
Plating: Electro-less Nickel is used on EMI  
adapters for plating  
Operating Temperature: -40 to +85 °C

## Ordering Information

Simplex LC Adapters

| Part Number | Sleeve  | Color | Mounting type | Housing Style |
|-------------|---------|-------|---------------|---------------|
| 1061240010  | Metal   | Beige | Snap          | Low Profile   |
| 1061241010  | Ceramic |       |               |               |
| 1061241200  |         | Aqua  |               |               |
| 1061240000  | Metal   | Blue  |               |               |
| 1061241000  | Ceramic |       |               |               |
| 1061241050  |         |       |               |               |
| 1061240110  | Metal   | Beige | Standard      |               |
| 1061241110  | Ceramic |       |               |               |
| 1061240100  | Metal   | Blue  |               |               |
| 1061241100  | Ceramic |       |               | Green         |
| 1061241150  |         |       |               |               |

Quad LC Adapters

| Part Number | Housing Material | Alignment Sleeve | Mounting Style   | Color            | Shutters |       |
|-------------|------------------|------------------|------------------|------------------|----------|-------|
| 1061230500  | Metal (EMI)      | Zirconia Ceramic | Snap             | Blue             | Yes      |       |
| 1061230600  |                  |                  | Screw            |                  |          | Green |
| 1061230650  |                  |                  |                  | Rear Screw       | Blue     |       |
| 1061230660  |                  |                  | Plastic          |                  |          | Screw |
| 1061230700  |                  |                  |                  | Zirconia Ceramic | Green    |       |
| 1061230200  | Phosphor Bronze  | Aqua             |                  |                  |          |       |
| 1061231200  |                  |                  |                  | Zirconia Ceramic | Blue     |       |
| 1061232200  | Phosphor Bronze  | Beige            |                  |                  |          |       |
| 1061233200  |                  |                  |                  | Zirconia Ceramic | Green    |       |
| 1061230400  | Phosphor Bronze  | Aqua             |                  |                  |          |       |
| 1061231400  |                  |                  |                  | Zirconia Ceramic | Blue     |       |
| 1061232400  | Phosphor Bronze  | Beige            |                  |                  |          |       |
| 1061233400  |                  |                  |                  | Zirconia Ceramic | Green    |       |
| 1061230100  | Phosphor Bronze  | Aqua             |                  |                  |          |       |
| 1061231100  |                  |                  |                  | Zirconia Ceramic | Blue     |       |
| 1061232100  | Phosphor Bronze  | Beige            |                  |                  |          |       |
| 1061233100  |                  |                  |                  | Zirconia Ceramic | Green    |       |
| 1061230300  | Phosphor Bronze  | Aqua             |                  |                  |          |       |
| 1061231300  |                  |                  |                  | Zirconia Ceramic | Blue     |       |
| 1061232300  | Phosphor Bronze  | Beige            |                  |                  |          |       |
| 1061233300  |                  |                  | Zirconia Ceramic | Green            |          |       |
|             | Phosphor Bronze  | Aqua             |                  |                  |          |       |

# LC Adapters and Cable Assemblies



## Ordering Information

### Duplex LC Adapters

| Part Number | Sleeve  | Color          | Mounting type            | Housing Style       | Note           |
|-------------|---------|----------------|--------------------------|---------------------|----------------|
| 1061250110  | Metal   | Beige          | Snap                     | Large               | MT-RJ Mounting |
| 1061251110  | Ceramic |                |                          |                     |                |
| 1061250100  | Metal   | Blue           |                          |                     |                |
| 1061251100  | Ceramic |                |                          |                     |                |
| 1061250010  | Metal   | Beige          |                          |                     |                |
| 1061251010  | Ceramic |                |                          |                     |                |
| 1061250000  | Metal   | Blue           |                          |                     |                |
| 1061251000  | Ceramic |                |                          |                     |                |
| 1061250210  | Metal   | Retaining Clip | Low Profile (Half Large) |                     |                |
| 1061251210  | Ceramic |                |                          |                     |                |
| 1061250200  | Metal   |                |                          |                     | Blue           |
| 1061251200  | Ceramic |                |                          |                     |                |
| 1061260410  | Metal   | Beige          | Snap                     | SC Simplex Mounting | No Shutters    |
| 1061260690  | Metal   | Die-Cast       |                          |                     |                |
| 1061261400  | Ceramic | Blue           |                          |                     |                |
| 1061261430  |         | Aqua           |                          |                     |                |
| 1061261450  |         | Green          |                          |                     |                |
| 1061261690  |         | Die-Cast       |                          |                     |                |
| 1061260310  | Metal   | Beige          | Screw                    |                     |                |
| 1061260590  |         | Die-Cast       |                          |                     |                |
| 1061261300  | Ceramic | Blue           |                          |                     |                |
| 1061261350  |         | Green          |                          |                     |                |
| 1061261590  |         | Die-Cast       |                          |                     |                |
| 1061270410  | Metal   | Beige          | Snap                     |                     |                |
| 1061271610  |         | Aqua           |                          |                     |                |
| 1061270690  |         | Die-Cast       |                          |                     |                |
| 1061271400  | Ceramic | Blue           |                          |                     |                |
| 1061271690  |         | Die-Cast       |                          |                     |                |
| 1061271450  |         | Green          |                          |                     |                |
| 1061270310  | Metal   | Beige          | Screw                    |                     |                |
| 1061270590  |         | Die-Cast       |                          |                     |                |
| 1061271300  | Ceramic | Blue           |                          |                     |                |
| 1061271590  |         | Die-Cast       |                          |                     |                |
| 1061271350  |         | Green          |                          |                     |                |

# LC Adapters and Cable Assemblies



## Ordering Information

### Eight-Port LC Adapters

| Part Number | Housing Material | Housing Color | Mounting Style | Shutters | Alignment Sleeve |
|-------------|------------------|---------------|----------------|----------|------------------|
| 1061210200  | Plastic          | Blue          | Screw Mount    | No       | Zirconia Ceramic |
| 1061210202  |                  | Beige         |                |          | Phosphor Bronze  |
| 1061210201  |                  | Green         |                |          | Zirconia Ceramic |
| 1061210203  |                  | Aqua          |                |          | Phosphor Bronze  |
| 1061210400  |                  | Blue          | Snap Mount     |          | Zirconia Ceramic |
| 1061210402  |                  | Beige         |                |          | Phosphor Bronze  |
| 1061210401  |                  | Green         |                |          | Zirconia Ceramic |
| 1061210403  |                  | Aqua          |                |          | Phosphor Bronze  |
| 1061210100  |                  | Blue          | Screw Mount    | External | Zirconia Ceramic |
| 1061210102  |                  | Beige         |                |          | Phosphor Bronze  |
| 1061210101  |                  | Green         |                |          | Zirconia Ceramic |
| 1061210103  |                  | Aqua          |                |          | Phosphor Bronze  |
| 1061210300  |                  | Blue          | Snap Mount     |          | Zirconia Ceramic |
| 1061210302  |                  | Beige         |                |          | Phosphor Bronze  |
| 1061210301  |                  | Green         |                |          | Zirconia Ceramic |
| 1061210303  |                  | Aqua          |                |          | Phosphor Bronze  |
| 1061210450  |                  | Blue          |                | Internal | Zirconia Ceramic |
| 1061210470  |                  | Beige         |                |          | Phosphor Bronze  |
| 1061210460  |                  | Green         |                |          | Zirconia Ceramic |
| 1061210480  |                  | Aqua          |                |          | Phosphor Bronze  |
| 1061210950  | Metal (EMI)      | Blue          |                | External | Zirconia Ceramic |
| 1061210952  |                  | Beige         |                |          | Phosphor Bronze  |
| 1061210951  |                  | Green         |                |          | Zirconia Ceramic |
| 1061210953  |                  | Aqua          |                |          | Phosphor Bronze  |

### Jumper Assemblies

| Part Number | Fiber Jacket | Color  | Length     |
|-------------|--------------|--------|------------|
| 885363325   | 1.6mm OM4    | Aqua   | 1.0 meter  |
| 885363326   |              |        | 1.5 meters |
| 885363327   |              |        | 2.0 meters |
| 885363328   |              |        | 2.5 meters |
| 885363329   |              | Yellow | 3.0 meters |
| 885370001   | 1.6mm PVC    | Yellow | 1.0 meter  |
| 885370415   |              |        | 1.5 meters |
| 885370002   |              |        | 2.0 meters |
| 885370425   |              |        | 2.5 meters |
| 885370003   |              |        | 3.0 meters |

# LC Adapters and Cable Assemblies



## Ordering Information

### One-body LC Adapters

| Port   | Part Number | Flange | Clip                   | Color |
|--------|-------------|--------|------------------------|-------|
| 1-port | 885360445   | No     | Plastic                | Green |
|        | 885362216   | Yes    | Metal                  | Green |
| 2-port | 885360344   |        |                        | Blue  |
|        | 885362217   |        |                        | Beige |
|        | 885362212   | Yes    | Plastic                | Green |
|        | 885362211   |        |                        | Beige |
|        | 885362213   |        |                        | Aqua  |
|        | 885362204   |        |                        | Green |
|        | 885360678   | No     | Metal                  | Blue  |
|        | 885362205   |        |                        | Beige |
|        | 885362207   |        |                        | Aqua  |
|        | 885362201   |        |                        | Green |
|        | 885362202   | No     | Plastic                | Blue  |
|        | 885362203   |        |                        | Beige |
|        | 885362206   |        |                        | Aqua  |
|        | 885360679   |        | Low profile asymmetric | Blue  |
| 4-port | 885360040   | Yes    | Plastic                | Green |
|        | 885360039   |        |                        | Blue  |
|        | 885360129   | No     | Plastic                | Green |
|        | 885360128   |        |                        | Blue  |

[www.molex.com/link/lc.html](http://www.molex.com/link/lc.html)

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