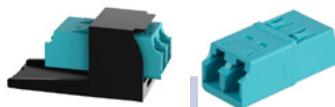# LC Fiber Optic Adapters

## specifications

LC fiber optic adapters with integrated panel retention clips are TIA/EIA-604 FOCIS-10 compatible. Each LC simplex adapter shall connect one LC connector pair in one module space. Each LC duplex adapter shall connect two LC connector pairs in one module space.

## technical information

| | |
|---|---|
| **Standards requirements:** | TIA/EIA-604 FOCIS-10 compatible; exceeds TIA/EIA-568-B.3 requirements |
| **Split sleeve material:** | Zirconia ceramic (required for singlemode applications) |
| **Insertion loss:** | .1dB average (multimode and singlemode); supports the performance of FOCIS-10 compliant connectors/patch cords |
| **Return loss:** | Supports singlemode (>40dB for SPC and >55dB for UPC) and multimode (>20dB) connector polish performance |

## key features and benefits

| | |
|---|---|
| **Integrated panel retention clips** | No metal clips to become bent, damaged or lost; simplex adapter clips automatically adjust for FOCIS-10 compliant panel thickness variations for improved mounting |
| **Superior weld strength** | Provides a more durable product under stress for improved reliability and increased life |
| **Short flange design** | Improved modularity and higher density usage |
| **Adapters available in Mini-Com® Modules** | System flexibility; modules are interchangeable within Mini-Com Outlets, Boxes, and Patch Panels |
| **Modules available in multiple colors** | Allows color-coding for network segregation |

## applications

LC Fiber Optic Adapters can be used with Mini-Com Modules, Patch Panels, and Surface Mount boxes for a complete fiber solution. LC adapters provide a rugged solution for LAN, SAN, public networks, and fiber-to-the desk applications. The high density 1.25mm ferrules double the port density compared to SC adapters. The HDCRT Connector Removal Tool can be used to simplify removal of connectors in high-density applications. Panduit also offers a full line of enclosures, cassettes, and panels that are pre-assembled with LC adapters.

| **LC Fiber Optic Adapters** | |
|---|---|
| **Duplex MM:** | FADSLCZEI-L |
| | FADSLCZAQ-L |
| **Duplex SM:** | FADSLCZBU-L |
| | FADSLCZAG-L |
| L = Bag of 50 adapters; 100 per carton | |

| **Mini-Com® LC Adapter Modules** | |
|---|---|
| **Duplex MM:** | CMDSAQLCZBL |
| **Duplex SM:** | CMDSLCZBU* |
| **Duplex SM APC:** | CMDSAGLCZBL |

| **HD Connector Removal Tool** | |
|---|---|
| **For LC and SC:** | HDCRT |

*also offered in EI, BL, IW.
BU = Blue
EI = Electric Ivory
BL = Black
IW = International White
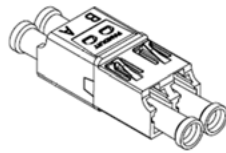
# LC Fiber Optic Adapters

## design information

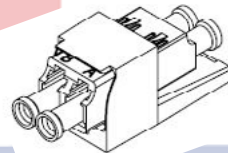| LC Adapter Type | Description | Application Type |
|---|---|---|
| Sr./Sr. (Senior/Senior) | Has a FOCIS-10 senior adapter interface (without keyway) at each end. Both ends accept FOCIS-10 compatible senior LC connectors (non-keyed; spring loaded ferrules). | Typically used for patch panel and outlet applications, including behind the wall applications. |

## selection information

| Sr./Sr. Part Number | Adapter Type | Split Sleeve Material | Adapter Color | Module Color | Average Insertion Loss | Return Loss |
|---|---|---|---|---|---|---|
| **LC Adapters** | | | | | | |
| FADSLCZAQ-L | Multimode Duplex | | Aqua | – | | >20dB |
| FADSLCZAG-L | Duplex Singlemode APC | Zirconia Ceramic | APC Green | – | .1dB | >40dB |
| FADSLCZBU-L | Singlemode Duplex | | Blue | – | | |
| **LC Adapter Modules** | | | | | | |
| CMDSAQLCZBL | Multimode Duplex | | Aqua | Black | | >20dB |
| CMDSLCZBU | Singlemode Duplex | Zirconia Ceramic | Blue | Blue** | .1dB | >40dB |
| CMDSAGLCZBL | Duplex Singlemode APC | | APC Green | Black | | |

**Blue LC Adapters are also available with Black (BL), Electric Ivory (EI), and International White (IW) Modules
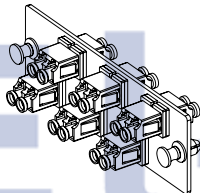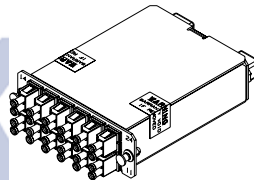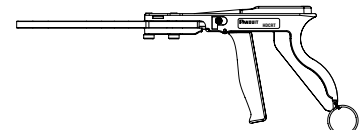
LC Duplex Adapter

Mini-Com® LC Adapter Module

Opticom® LC Duplex Fiber Adapter Panel

Opticom® QuickNet™ Cassettes

HDCRT Connector Removal Tool

Dimensions are in inches. [Dimensions in **brackets** are metric].

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