

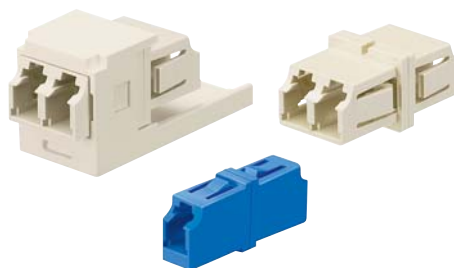
LC Fiber Optic Adapters

PANDUIT®

SPECIFICATION SHEET

specifications

LC small form factor (SFF) 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. LC adapters and adapter modules shall include phosphor bronze split sleeves for multimode applications or zirconia ceramic split sleeves for singlemode applications.



technical information

Standards requirements:	TIA/EIA-604 FOCIS-10 compatible; exceeds TIA/EIA-568-B.3 requirements
Split sleeve material:	Phosphor bronze or 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

*Panduit LC Connector/Adapter connection

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
LC duplex adapters fit SC simplex adapter openings	Doubles the density in the same rack space; substitute simplex SCs with duplex LCs to increase connectivity 100%
Short flange design	Improved modularity and higher density usage
Choice of phosphor bronze or zirconia ceramic split sleeves	Provides an adapter split sleeve material option to fit specific network requirements
Adapters available in Mini-Com® Modules	System flexibility; modules are interchangeable within Panduit® Mini-Com® Outlets, Boxes and Patch Panels
Adapters available in patch panels, fiber adapter panels (FAPs) and Opticom® QuickNet™ Pre-Terminated MTP® Cassettes	Provides a complete LC system solution
Modules available in multiple colors	Allows color-coding for network segregation

applications

Panduit LC SFF Fiber Optic Adapters can be used with Mini-Com® Modules, Patch Panels, Faceplates and Surface Mount Boxes for a complete LC system solution. LC adapters provide a rugged solution for LANs, public networks, storage area networks and fiber-to-the-desk applications. The high-density design and 1.25mm ferrules double the port density (compared to SC connectors) to reduce space requirements on racks, enclosures,

panels and faceplates. LC adapters can also be mounted in high-density applications within Opticom® QuickNet™ Pre-Terminated MTP® Cassettes and Fiber Enclosures, and Opticom® Fiber Adapter Panels (FAPs) and Enclosures. HDCRT Connector Removal Tool can be used to simplify removal of connectors in high-density applications.

*MTP is a registered trademark of US Conec Ltd.

www.panduit.com

LC Sr./Sr. Fiber Optic Adapters

Duplex MM:	FADSLCEI-L
Duplex 10Gig™:	FADSLCAQ-L
Simplex 10Gig™ (zirc.):	FASSLCZAQ-L
Duplex 10Gig™ (zirc.):	FADSLCZAQ-L
Simplex SM (zirc.):	FASSLCZBU-L
Duplex SM (zirc.):	FADSLCZBU-L

L = Bag of 50 adapters; 100 per carton.

LC Sr./Jr. Fiber Optic Adapters

Duplex MM:	FADJLCEI-L
Duplex 10Gig™:	FADJLCAQ-L
Simplex 10Gig™ (zirc.):	FASJLCAQ-L
Duplex 10Gig™ (zirc.):	FADJLCZAQ-L
Simplex SM (zirc.):	FASJLCZBU-L
Duplex SM (zirc.):	FADJLCZBU-L

L = Bag of 50 adapters; 100 per carton.

Mini-Com® LC Sr./Sr. Adapter Modules

Duplex MM:	CMDSLC**
Duplex 10Gig™:	CMDSAQLCBL
Duplex 10Gig™ (zirc.):	CMDSAQLCZBL
Duplex SM (zirc.):	CMDSLCZ**

Mini-Com® LC Sr./Jr. Adapter Modules

Duplex MM:	CMDJLC**
Duplex 10Gig™:	CMDJAQLCBL
Duplex 10Gig™ (zirc.):	CMDJAQLCZBL
Duplex SM (zirc.):	CMDJLCZ**

Opticom® LC Fiber Adapter Panels

6 duplex MM:	FAP6WEIDL
6 duplex 10Gig™ (zirc.):	FAP6WAQDL
6 duplex SM (zirc.):	FAP6WBUDL
12 duplex MM:	FAP12WEIDL
12 simplex SM (zirc.):	FAP12WBUL

Opticom® QuickNet™ Pre-Terminated MTP® Cassettes

6 LC to MTP® (12f):	FC^12-10
12 LC to 2 MTP® (24f):	FC^24-10

LC Simplex Fiber Optic Connectors

Multimode:	FLCSMEI
Singlemode:	FLCSSBU

LC Duplex Fiber Optic Connectors

Multimode (1.6 – 2mm):	FLCDMEI
Singlemode (1.6 – 2mm):	FLCDSBU
Multimode (900µm):	FLCDM900EI
Singlemode (900µm):	FLCDS900BU

Opti-Core® Fiber Optic Patch Cords

Duplex LC to LC:	F^E10-10M‡
Simplex LC to LC:	F^F10-10M‡
Simplex LC to pigtail:	F^B10-NM‡

HD Connector Removal Tool

For LC and SC	HDCRT
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**Substitute for module color:

EI = Electric Ivory	BU = Blue
IG = International Gray	WH = White
TG = Technical Gray	BL = Black
AW = Arctic White	IW = Off White
EW = European White	

^Substitute for fiber type:

X (OM3/OM4 – 10Gig 50/125µm), 5 (OM2 – 50/125µm), 6 (OM1 – 62.5/125µm) or 9 (OS1 – 9/125µm).

‡Substitute for length in meters: 1, 2, 3, 5 or 10 for patch cords, and 1, 2 or 3 for pigtails; singlemode patch cords are also available in 12, 15, 25 or 30 meter lengths. Contact Customer Service for other available lengths.

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.
Sr./Jr. (Senior/Junior)	Has a FOCIS-10 senior adapter interface (without keyway) at one end and a FOCIS-10 compatible junior adapter interface (with keyway) at the other end. Both ends accept all FOCIS-10 compatible senior LC connectors (non-keyed; spring loaded ferrules). Junior end also accepts FOCIS-10 compatible junior LC connectors (keyed; fixed ferrule/springless).	Shorter profile of junior end accommodates tighter applications behind the wall, allowing easier access to FOCIS-10 compatible junior (shorter) LC connectors terminated on 900µm buffered fiber. Panduit® Opticom® Fiber Adapter Panels and QuickNet™ Pre-Terminated Cassettes include Sr./Jr. Adapters.

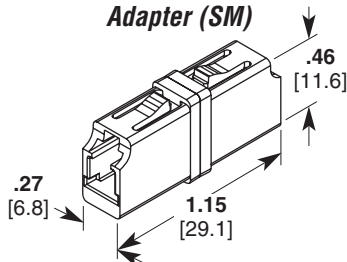
selection information

Sr./Sr. Part Number	Sr./Jr. Part Number	Adapter Type	Split Sleeve Material	Adapter Color	Module Color	Average Insertion Loss [^]	Return Loss [^]
LC Adapters							
FADSLCEI-L	FADJLCEI-L	Multimode Duplex	Phosphor Bronze	Electric Ivory	N/A	.1dB	>20dB
FADSLCAQ-L	FADJLCAQ-L	10Gig™ Multimode Duplex	Phosphor Bronze	Aqua	N/A		
FASSLCZAQ-L	FASJLCZAQ-L	10Gig™ Multimode Simplex	Zirconia Ceramic	Aqua	N/A		
FADSLCZAQ-L	FADJLCZAQ-L	10Gig™ Multimode Duplex	Zirconia Ceramic	Aqua	N/A		>40dB
FASSLCZBU-L	FASJLCZBU-L	Singlemode Simplex	Zirconia Ceramic	Blue	N/A		
FADSLCZBU-L	FADJLCZBU-L	Singlemode Duplex	Zirconia Ceramic	Blue	N/A		
LC Adapter Modules							
CMDSLCEI	CMDJLCEI	Multimode Duplex	Phosphor Bronze	Electric Ivory	Various**	.1dB	>20dB
CMDSAQLCBL	CMDJAQLCBL	10Gig™ Multimode Duplex	Phosphor Bronze	Aqua	Black		
CMDSAQLCZBL	CMDJAQLCZBL	10Gig™ Multimode Duplex	Zirconia Ceramic	Aqua	Black		
CMDSLCZBU	CMDJLCZBU	Singlemode Duplex	Zirconia Ceramic	Blue	Various**		>40dB

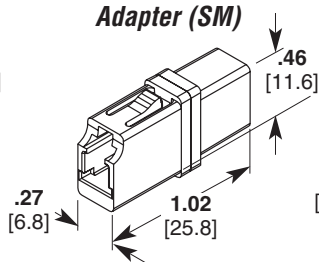
[^]Panduit LC Connector/Adapter connection.

^{**}For other colors, replace suffix EI or BU with EI (Electric Ivory), BU (Blue), IG (International Gray), WH (White), TG (Technical Gray), BL (Black), AW (Arctic White), IW (Off White) or EW (European White).

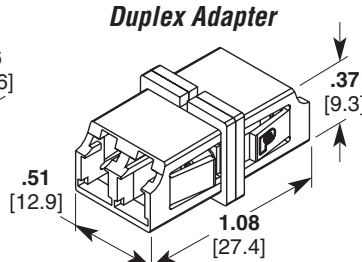
**LC Sr./Sr. Simplex
Adapter (SM)**



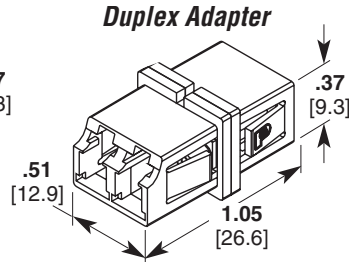
**LC Sr./Jr. Simplex
Adapter (SM)**



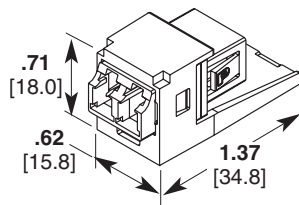
**LC Sr./Sr.
Duplex Adapter**



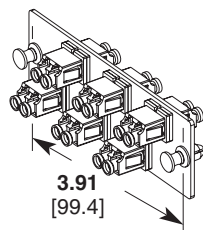
**LC Sr./Jr.
Duplex Adapter**



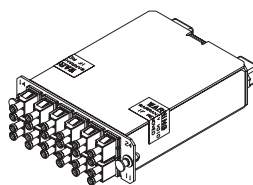
**Mini-Com® LC Sr./Jr.
Adapter Module**



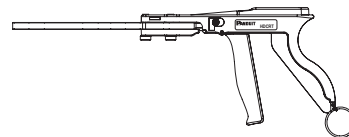
**Opticom® LC Duplex
Fiber Adapter Panel**



**Opticom® QuickNet™
Cassettes**



**HDCRT Connector
Removal Tool**



Dimensions are in inches [Dimensions in brackets are in millimeters].

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