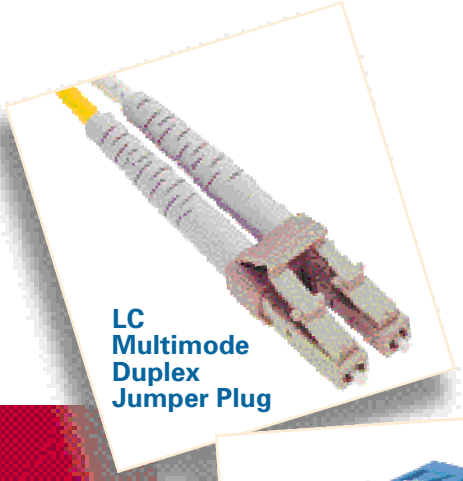
ISO9001 CERTIFIED

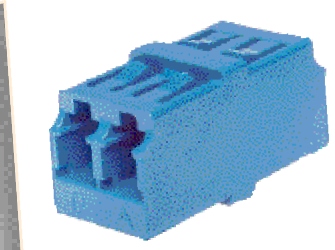
MOLEX FIBER OPTIC PRODUCTS

LC Compatible Connector System

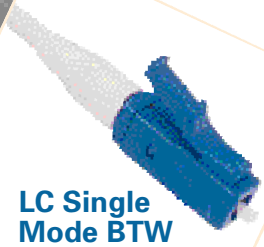
LC Single Mode Patchcord Connector



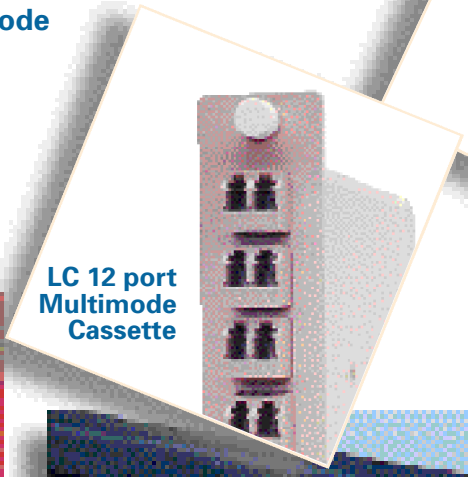
LC Multimode Duplex Jumper Plug



LC Single Mode Duplex Jack



LC Single Mode BTW Connector



LC 12 port Multimode Cassette

Double Your Connector Density

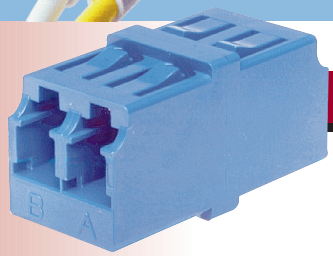
RJ-45 Style Miniature Connectors for Premise, Telco, and Broadband Applications

LC Duplex fits the RJ-45 Standard Footprint

The LC Duplex Fits into the RJ-45 standard cutout and uses the smallest diameter cable jacket in the industry

The LC Product family includes:

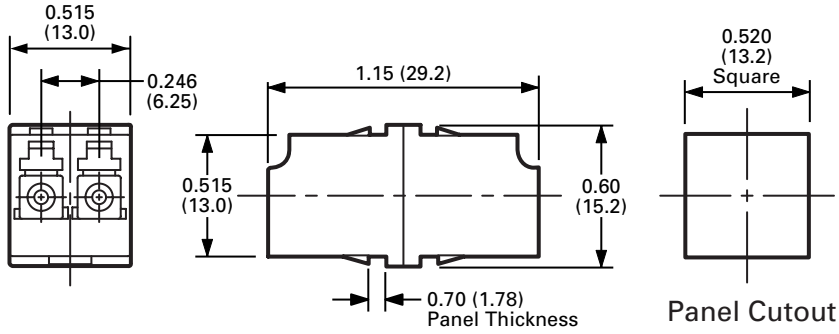
- Multimode and Single mode Connectors
- Simplex and Duplex Patchcords and Pigtails
- Simplex and Duplex Adapters
- Field termination upgrade kit and consumables

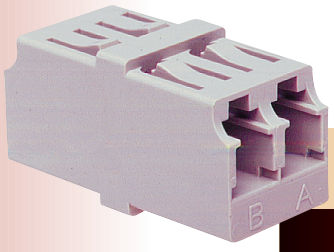


Wall Jacks and Adapters

- Duplex fits RJ-45 footprint
- Increases panel density
- Symmetrical design allows four different panel orientations

Dimensions: inches (mm)





608-X04-0X LC Compatible Duplex Coupling

Duplex Couplings

Description	Color	Part Number	Lucent Comcode
Single mode, Zirconia sleeve	Blue	608-104-01	108 072 489
Single mode, Metal sleeve	Blue	608-104-02	N/A
Multimode, Zirconia sleeve	Beige	608-304-01	N/A
Multimode, Metal sleeve	Beige	608-304-02	108 072 497

METHODE
FIBER OPTIC PRODUCTS

7444 W. Wilson Avenue
Chicago, IL 60656 U.S.A.
708.867.9600 Fax: 708.867.9621

800.323.6858
www.methode.com

The Methode® LC Connector, a new standard in high density connectors for applications of all types

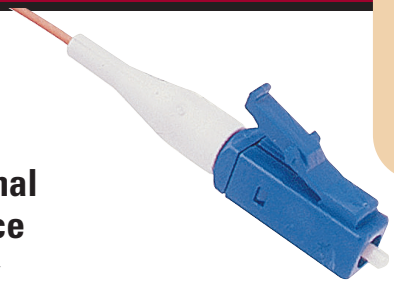
The Methode 608 Series LC Connector introduces the next generation of fiber optic connectivity. The innovative LC design offers a form factor one-half the size of current industry standards, and simple features create a new definition of user-friendliness. Borrowing features from the twisted-pair RJ-45 connector, the LC provides duplex connections in 50% less space. The keyed plug self-guides into place, assuring reliable connections. A latch mechanism makes the connector pull proof and provides outstanding mechanical load performance. Methode manufactures the LC to meet EIA/TIA 568A, FOCIS 10 and IEC 11801 specifications for optical performance and intermateability. The Methode LC is compatible with SYSTIMAX™ and ExchangeMAX™ applications.

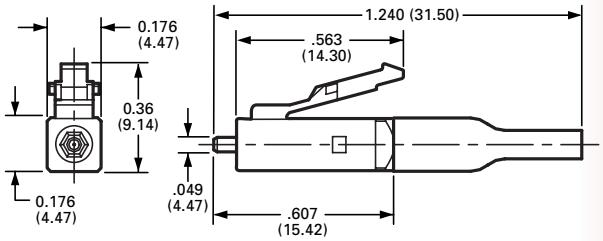
Performance Specifications

	MULTIMODE	SINGLE MODE
Nominal Fiber OD	125um	125um
Insertion Loss (typical)	<.10dB	<.20dB
Return Loss (Max)	-20 dB	-50dB
Cable Retention		
BTW	2 lbs. (8.9N)	2 lbs. (8.9N)
Patchcord	20 lbs. (88.9N)	20 lbs.(88.9N)
Mating Durability	<0.2 dB (500 cycles)	<0.2 dB
Temperature Stability (-40° to 75°C)	<0.3 dB	<0.3 dB
Ferrule Material	Ceramic or Polymer	Ceramic

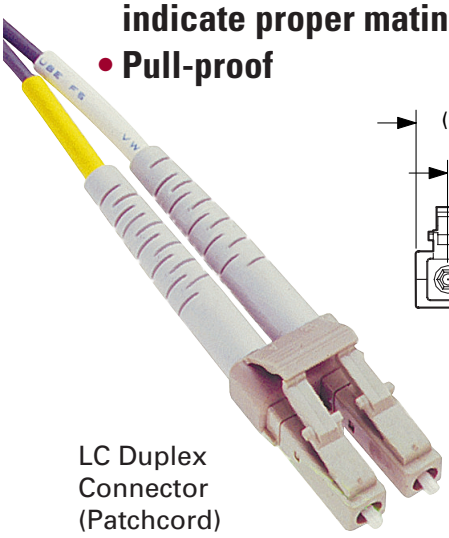
Field Installable Connectors

- **Meets EIA/TIA 568A and IEC 11801 performance standards**
- **Tight bend radius for minimal wall mount and outlet space**
- **Labeled polarity for duplex applications**
- **Available in multimode and single mode versions**
- **User-friendly audible latch to indicate proper mating**
- **Pull-proof**

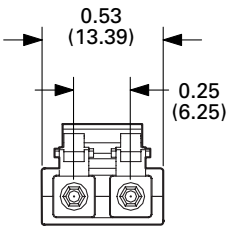


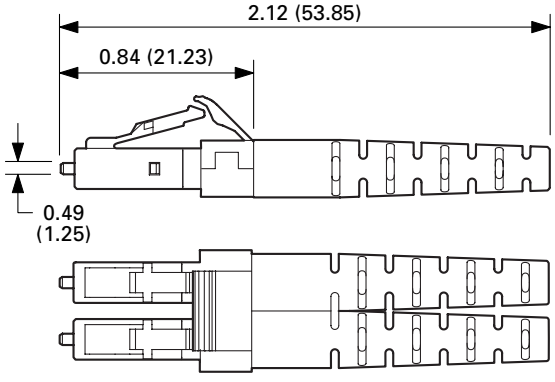


BTW Connector



LC Duplex Connector (Patchcord)



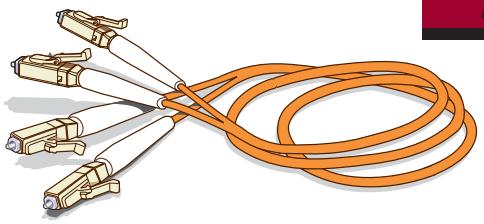


Dimensions: inches (mm)

Connectors

Description	Color	Part Number	Lucent Comcode
Behind the Wall (BTW) Connector			
Single mode, simplex, ceramic	Blue	LC3-010-1	107 764 300
Multimode, simplex, ceramic	Beige	LC3-210-3	107 764 292
Multimode, simplex, polymer	Beige	LC3-21P-3	N/A
Patchcord Connector			
Single mode, simplex, ceramic	Blue	LC3-020-1	N/A
Multimode, simplex, ceramic	Beige	LC3-220-3	N/A
Multimode, simplex, polymer	Beige	LC-22P-3	N/A
Single mode, duplex, ceramic	Blue	LC3-040-1	N/A
Multimode, duplex, ceramic	Beige	LC3-240-3	108 138 678
Multimode, duplex, polymer	Beige	LC-24P-3	N/A

Patchcords and Pigtails



- **1.6 mm simplex and duplex mini-cord**
- **3.0 mm simplex and duplex cordage**
- **900 micron simplex cordage**
- **Custom lengths available**

Methode LC cable assemblies provide connectivity for fiber-to-the-desk, interconnect and cross-connect environments.

LC Patchcords

Description	Part Number
Multimode	
LC to LC, 62.5/125, simplex minicord	LC2-012-XXXM
LC to LC, 62.5/125, duplex minicord	LC4-022-XXXM
LC to LC, 62.5/125, simplex 900 micron cordage	LC2-003-XXXM
Single-mode	
LC to LC, simplex minicord	LC2-005-XXXM
LC to LC, duplex minicord	LC4-013-XXXM
LC to LC, simplex 900 micron cordage	LC2-001-XXXM

XXX = Length in Meters (for feet enter "F" instead of M)
Example: LC4-022-010M = Duplex LC, multimode, 10 meters

Hybrid Patchcords

MT-RJ, ST, SC, FC

Fiber Types

Singlemode, Multimode 50/125, 62.5/125

Termination Tools and Supplies

- **Universal Polishing Disk**
- **Terminates with standard tools**
- **Add-on kits available**

Connector Termination Tools and Accessories

Description	Part Number
Universal Termination Kit	900-118-3010
Universal Termination Kit without oven	900-118-3008N/O
LC Polishing Disk	900-118-1305
LC Add-on Kit	900-118-9029
LC Starter kit, Multimode	900-118-9031
LC Inspection Scope	900-118-1033

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On the Internet: http://www.methode.com

Europe

Boundary Road
Haverhill, Suffolk
U.K., CB9 7UU
+44(0) 1440 712525
Fax: +44(0) 1440 712542

Optokon Company, Ltd.
Antoninuv Dül 250
586 02 Jihlava, Czech Republic
+420 6672 10722
Fax: +420 6672 11198

Asia Pacific

Unit 8A, #175 Gibbes Street
Chatswood, 2067, NSW
Australia
+61(0) 2 9417 3500
Fax: +61(0) 2 9417 3810