

LC Connectors 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. These connectors reduce space requirements by 50%, over 2.50mm ferrule connectors, without sacrificing performance.



LC Connectors and Adapters

ADVANTAGES AND FEATURES

Helps accept eight simplex connectors, four duplex connectors or a combination of the two for design flexibility

The new eight-port adapter design offers significant advantages in terms of flexibility, space efficiency, ease of maintenance, and cost-effectiveness.

Provides laser eye-safety protection when the adapter is not fully populated

The optional safety shutters in these connectors are essential for ensuring that fiber optic systems are safe for users and compliant with relevant safety regulations.

Provides design flexibility

The availability of the connectors in both plastic and metal housings enhances design flexibility by providing Electro magnetic Interference (EMI) protection.

Helps optimize insertion loss performance

The tunable connectors offer a significant advantage in maintaining low insertion loss and ensuring high performance in fiber optic systems.

Provides unidirectional or bidirectional communication

The simplex and duplex versions enhance the versatility and adaptability of fiber optic networks by providing connectors that cater to both unidirectional and bidirectional communication needs.

Category	Fiber Optic Connectors
Mates with	LC simplex or duplex jumper assemblies mate with respective simplex, duplex, quad or eight-port adapters
Durability (min.)	250 mates and de-mates
Connector Ferrule	Zirconia Ceramic
Mating Force (mating for the LC Connectors)	8.90N
Plating	Electro-less Nickel is used on EMI adapters for plating
Operating Temperature	-40 to +85°C

Provides installation flexibility

The availability of screw- and snap-mount styles (with snap-mount only for eight-port metal adapters) provides installation flexibility by accommodating different installation methods and environments, from secure, permanent setups to quick, tool-free installations.

Provides press-to-release design for ease-of-use

The versatile RJ-45 latching connector system enhances user experience by making the connector system easier to operate and more efficient to manage, thereby supporting smooth and reliable connectivity in various settings.

Delivers a high-performance and easy-to-implement fiber optic interface

The combination of common and proven technologies in the LC Connector system ensures that these connectors provides reliable optical performance with minimal signal loss and high data transmission capabilities. The simple and standardized design ensures easy installation, integration and maintenance.

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MARKETS AND APPLICATIONS

Telecommunications

Data Centers
Hubs
Servers
Routers
Central Office/Remote Hubs

Servers & Storage

Storage servers

MedTech

Medical Imaging devices (MRI, CT)



Data Center

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

LC Connectors and Cable Assemblies

ORDERING INFORMATION

Ordering No.	Sleeve	Flange	Mounting Plate	Color	Available Circuit or Wire Size
885362101	Zirconia Ceramic	Small flange	With Plastic Clip	Blue	LC ONEBODY SPX ADAPTOR ZR SLEEVE
885362102				Beige	LC SIMPLEX MM ONEBODY ADAPTOR BEIGE
885362103				Green	LC SIMPLEX APC ONEBODY ADAPTOR GREEN
885362104				Aqua	LC SIMPLEX MM ONEBODY ADAPTOR AQUA
885362216	Zirconia Ceramic	With Screw hole flange	With	Green	LC DUPLEX ONE BODY GREEN ADAPTER
885360344				Blue	LC DUPLEX ONE BODY BLUE ADAPTER
885362217				Beige	LC DUPLEX ONE BODY BEIGE ADAPTER
885362238				Aqua	LC DUPLEX ONE BODY AQUA ADAPTER
885362211		With Screw hole flange	With Plastic Clip	Green	LCD ONE BODY GREEN ADA, W/ FLG PLS CLIP
885362212				Blue	LCD ONE BODY Blue ADA, W/ FLG PLS CLIP
885362213				Beige	LCD ONE BODY BEIGE ADA, W/ FLG PLS CLIP
885362214				Aqua	LCD ONE BODY AQUA ADA, W/ FLG PLS CLIP
885362236		Small flange	With	Green	LC DUPLEX ONE BODY GREEN ADAP FLANGELESS
885362237				Beige	LC DUPLEX ONE BODY BEIGE ADAP FLANGELESS
885360678				Blue	LC DUPLEX ONE BODY BLUE ADAP FLANGELESS
885362207				Aqua	LC DUPLEX ONE BODY AQUA ADAP FLANGELESS
885362201		Small flange	With Plastic Clip	Green	LCD ONE BODY GREEN ADA, NO FLG PLS CLIP
885362202				Blue	LCD ONE BODY BLUE ADA, NO FLG PLS CLIP
885362203				Beige	LCD ONE BODY BEIGE ADA, NO FLG PLS CLIP
885362206				Aqua	LCD ONE BODY AQUA ADA, NO FLG PLS CLIP
885362233		Small flange	With Plastic Clip	Green	LCD ONE BODY GREEN ADA, NO FLG PLS CLIP
885362234				Blue	LCD ONE BODY BLUE ADA, NO FLG PLS CLIP
885362400	Zirconia Ceramic	With Screw hole flange	With	Blue	LC 4WAY ADAPTER ONE BODY BLUE
885362401				Green	LC 4WAY ADAPTER ONE BODY GREEN
885362239				Beige	LC 4WAY ADAPTER ONE BODY BEIGE
885362240				Aqua	LC 4WAY ADAPTER ONE BODY AQUA
885362402	Zirconia Ceramic	Small flange	With	Blue	LC 4WAY SMALL ADAPTER ONE BODY BLUE
885362241				Beige	LC 4WAY SMALL ADAPTER ONE BODY BEIGE
885362242				Aqua	LC 4WAY SMALL ADAPTER ONE BODY AQUA
885362403				Green	LC 4WAY SMALL ADAPTER ONE BODY GREEN
1061261400	Zirconia Ceramic	Small flange	With	Blue	LC DUP ADAPTER ZR SLEEVE sm FLANGE BLUE
1061261420				Beige	LC DPX ADAPTER ZR SLV SMALL FLANGE BEIGE
1061261430				Aqua	LC DPX ADAPTER ZR SLV SMALL FLANGE AQUA
1061261450				Green	LC DUP ADAPTER ZR SLEEVE sm FLANGE GREEN
1061271400	Zirconia Ceramic	Small flange	With	Blue	LC DUP ADAP ZR SLV SHUTTER sm FLANGE BLU
1061271410				Beige	LC DUP ADAP ZR SLV SHUTTER sm FLANGE BLk
N/A				Aqua	LC DPX AD MTL SLV SHUTTER SMFLNG AQUA
1061271450				Green	LC DUP ADAP ZR SLV SHUTTER sm FLANGE GRN

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Ordering No.	Sleeve	Flange	Mounting Plate	Color	Available Circuit or Wire Size
N/A	Zirconia Ceramic	Small flange	With	Blue	LC DUP ADAP ZR SLV MTL SHTR sm FLG BLUE
1061270610				Beige	LC DUP ADAP MTL SLV MTL SHTR sm FLG BEIGE
1061271610				Aqua	LC DUP ADAP MTL SLV MTL SHTR SNAPIN AQ
N/A				Green	LC DUP ADAP ZR SLV MTL SHTR sm FLG GREEN
1061261300	Zirconia Ceramic	With Screw hole flange	With	Blue	LC DUP ADAPTER ZR SLEEVE SCREW MT BLUE
N/A				Beige	#N/A
N/A				Aqua	#N/A
N/A				Green	#N/A
1061271300	Zirconia Ceramic	With Screw hole flange	With	Blue	LC DUP ADAP ZR SLV SHTR SCREW MT BLUE
1061270310				Beige	LC DUP ADAP PBr SLV SHTR SCREW MT BEIGE
1061270350				Aqua	LC DUP ADAP PBR SLV SHTR SCREW MT AQUA
1061271350				Green	LC DUP ADAP ZR SLV SHTR SCREW MT GREEN
1061271500				Blue	LC DUP ADAP ZR SLV MTL SHTR SCREW MT BLU
1061270510				Beige	LC DUP AD PHBR SLV MTL SHTR SCREW MT BGE
N/A				Aqua	#N/A
N/A				Green	LC DUP ADAP ZR SLV MTL SHTR SCREW MT GRN
1061230300	Zirconia Ceramic	Small flange	With	Blue	LC QUAD ADAP BLUE ZR SLV SNAP MNT
1061231300				Beige	LC QUAD BEIGE SNAP MNT MTL SLV
1061233300				Aqua	LC QUAD AQUA SNAP MNT, MTL SLV
1061232300				Green	LC QUAD ADAP GREEN ZR SNAP
1061230400	Zirconia Ceramic	Small flange	With	Blue	LC QUAD ADAP BLUE ZR SLV SNAP SHUTTERS
1061231400				Beige	LC QUAD, BEIGE MTL SNAP SHUTTERS
1061232400				Aqua	LC QUAD ADAP GREEN ZR SNAP SHUTTERS
N/A				Green	#N/A
1061230100	Zirconia Ceramic	With Screw hole flange	No	Blue	LC QUAD, BLUE ZR SCREW
1061231100				Beige	LC QUAD BEIGE MTL SCREW
N/A				Aqua	LC QUAD, AQUA MTL SCREW
1061232100				Green	LC QUAD, GREEN ZR SCREW
1061230200	Zirconia Ceramic	With Screw hole flange	No	Blue	LC QUAD ADAP BLUE ZR SCREW SHUTTERS
1061231200				Beige	LC QUAD ADAP BEIGE MTL SCREW SHUTTERS
1061233200				Aqua	LC 1X6 EMI ADAPTER SNAP MOUNT
1061232200				Green	LC 1X6 EMI ADAPTER SNAP MOUNT W/SHUTTERS
1061210217	Zirconia Ceramic	Small flange	With	Black	LC DPX ADAPTER ZR SLV SMALL FLANGE AQUA
1061210214				Black	LC DUP ADAPTER ZR SLEEVE sm FLANGE GREEN
1061210400				Blue	LC 8 PORT ADAPTER SNAP MOUNT BLUE
N/A				Beige	LC 8 PORT ADAPTER SNAP MOUNT BEIGE
1061210403				Aqua	LC 8 PORT ADAPTER SNAP MOUNT AQUA
1061210401				Green	LC 8 PORT ADAPTER SNAP MOUNT GREEN

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1061210300	Zirconia Ceramic	Small flange	With	Blue	LC 8 PORT ADAP SNAP MOUNT W/SHUT BLUE
1061210302				Beige	LC 8 PORT ADAPT SNAP MOUNT W/SHUT BEIGE
1061210303				Aqua	LC 8 PORT AD W/SHUT AQUA
N/A				Green	LC 8 PORT ADAP SNAP MOUNT W/SHUT GREEN
1061210200	Zirconia Ceramic	With Screw hole flange	No	Blue	LC 8 PORT ADAPTER SCREW MOUNT BLUE
1061210202				Beige	LC 8 PORT ADAPTER SCREW MOUNT BEIGE
1061210203				Aqua	LC 8 PORT ADAPTER SCREW MOUNT AQUA
1061210201				Green	LC 8 PORT ADAPTER SCREW MOUNT GREEN
1061210100	Zirconia Ceramic	With Screw hole flange	No	Blue	LC 8 PORT ADAPTER SCREW MOUNT W/ SHUTTERS
1061210102				Beige	LC 8 PORT AD SCREW MOUNT W/SHUTT BEIGE
1061210103				Aqua	LC 8 PORT AD SCREW MOUNT W/SHUTT AQUA
1061210101				Green	LC 8 PORT ADAPTER SCREW MOUNT W/ SHUTTERS

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