

# 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		Green		
1061240110	Metal	Beige	Standard	
1061241110	Ceramic			
1061240100		Metal		Blue
1061241100	Ceramic			
1061241150		Green		

### Quad LC Adapters

Part Number	Housing Material	Alignment Sleeve	Mounting Style	Color	Shutters		
1061230500	Metal (EMI)	Zirconia Ceramic	Snap	Blue	Yes		
1061230600			Screw				
1061230650				Rear Screw	Blue	No	
1061230660							
1061230700			Plastic	Phosphor Bronze	Screw	Beige	Yes
1061230200							
1061231200	Zirconia Ceramic	Green					
1061232200							
1061233200	Phosphor Bronze	Aqua					
1061230400							
1061231400	Zirconia Ceramic	Blue	Snap	Beige			
1061232400							
1061233400	Phosphor Bronze	Aqua	Screw	Blue	No		
1061230100							
1061231100	Zirconia Ceramic	Beige					
1061232100							
1061233100	Phosphor Bronze	Green					
1061230300							
1061231300	Zirconia Ceramic	Aqua	Snap	Blue			
1061232300							
1061233300	Phosphor Bronze	Beige					
	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		Low Profile (Half Large)		
1061251010	Ceramic					
1061250000	Metal	Blue				
1061251000	Ceramic					
1061250210	Metal	Beige				Retaining Clip
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	Shutters on one side		
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		Screw Mount	Blue	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
2-port	885362216	Yes	Metal	Green
	885360344			Blue
	885362217			Beige
	885362212	Yes	Plastic	Green
	885362211			Beige
	885362213			Aqua
	885362204	No	Metal	Green
	885360678			Blue
	885362205			Beige
	885362207			Aqua
	885362201	No	Plastic	Green
	885362202			Blue
	885362203			Beige
	885362206			Aqua
	885360679			Low profile asymmetric
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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