



LC Connectors, Adapters and Cable Assemblies meet the growing demand for small form factor, high-density fiber optic connectivity with simplex, duplex, singlemode 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 (singlemode) 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, and can also be provided with safety shutters on one or both sides to help prevent eye injuries.

Features and Benefits

Connectors

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

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

LC Multi-Port Adapters

106024, 106090
Simplex LC Connectors

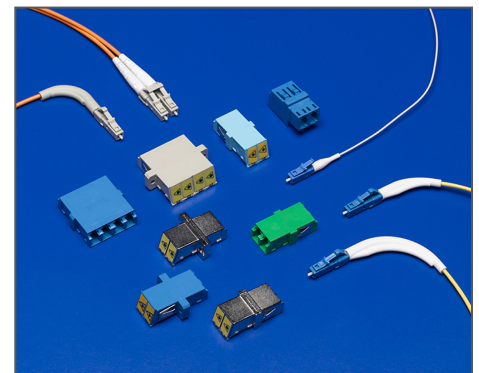
106025, 106090
Duplex LC Connectors

106124
Simplex LC Adapters

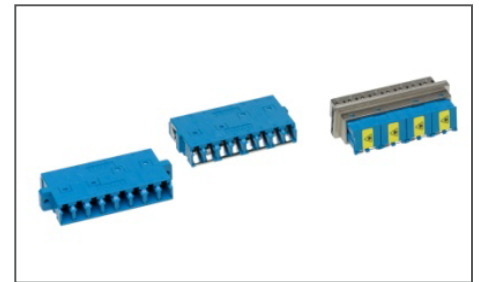
106125, 106126, 106127
Duplex LC Adapters

106123
Quad LC Adapters

106121
Eight-Port LC Adapters



LC Multi-Port Adapters



LC Eight-Port Adapters

Specifications

Reference Information

Packaging:

Connectors: Bag

Eight-Port Adapters:

Plastic adapters:

plastic tray – 25 pieces each

Metal adapters:

plastic tray – 25 pieces each

Quad Adapters: Individual bag

UL File No.: Plastics used are UL94-V0

Mates With:

LC simplex or duplex connectors

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

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

Simplex LC Connectors

Part Number	Type	Cable Size	Boot Type	Connector Color	
106024-3500	Multimode	900um	Straight	Beige	
106024-3000					
106024-7180					
106024-3400		1.60mm	45° Angled		
106024-3300			90° Angled		
106024-7185		2.00mm	Straight		45° Angled
106024-3600					90° Angled
106024-3250					3.00mm
106024-5500		900um			
106024-5000		Single Mode	1.60mm		45° Angled
106024-7140	90° Angled				
106024-5400	2.00mm			Straight	
106024-5300			45° Angled		
106024-7145			90° Angled		
106024-5600	3.00mm		Straight		
106024-5250				900um	
106090-2800	APC		1.60mm	Straight	Green
106090-2230		90° Angled			
106090-2240		2.00mm	Straight		
106090-2200			90° Angled		
106090-2260					

Duplex LC Connectors

Part Number	Type	Cable Size	Boot Type	Connector Color	Duplex Clip	
106025-3000	Multimode	1.60mm	Straight	Beige	1 piece push-on	
106025-7180			45° Angled			
106025-3400			90° Angled			
106025-3300		2.00mm	Straight			
106025-7185						45° Angled
106025-3600						90° Angled
106025-3250		3.00mm	Straight			
106025-5000	1.60mm	45° Angled		Blue		
106025-7140		90° Angled				
106025-5400		2.00mm	Straight			
106025-5300	45° Angled					
106025-7145	90° Angled					
106025-5600	3.00mm	Straight				
106025-5250			1.60mm			Green
106090-2830	1.60mm	90° Angled				
106090-2250		Straight				
106090-2810		2.00mm	90° Angled			
106090-2270						
106025-3800	Multimode	3.00mm	Straight	Beige	2 piece snap-on	
106025-3150				Single Mode		2.00mm
106025-5800	3.00mm					
106025-5150						

Simplex LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style
106124-0010	Metal	Beige	Snap	Low Profile
106124-1010	Ceramic			
106124-1200		Aqua		
106124-0000	Metal	Blue		
106124-1000	Ceramic	Green		
106124-1050				
106124-0110	Metal	Beige		Standard
106124-1110	Ceramic			
106124-0100	Metal	Blue		
106124-1100	Ceramic			
106124-1150		Ceramic		

Duplex LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style	Note	
106125-0110	Metal	Beige	Snap	Large	MT-RJ Mounting	
106125-1110	Ceramic					
106125-0100	Metal	Blue				
106125-1100	Ceramic					
106125-0010	Metal	Beige		Retaining Clip		Low Profile (Half Large)
106125-1010	Ceramic					
106125-0000	Metal	Blue				
106125-1000	Ceramic					
106125-0210	Metal	Beige				
106125-1210	Ceramic					
106125-0200	Metal	Blue	Snap	SC Simplex Mounting		
106125-1200	Ceramic					
106126-0410	Metal	Beige				
106126-0690	Metal	Die-Cast				
106126-1400	Ceramic	Blue				
106126-1430		Aqua				
106126-1450		Green				
106126-1690		Die-Cast				
106126-0310	Metal	Beige	Screw	No Shutters		
106126-0590		Die-Cast				
106126-1300	Ceramic	Blue				
106126-1350		Green				
106126-1590		Die-Cast				
106127-0410	Metal	Beige			Snap	Shutters on one side
106127-1610		Aqua				
106127-0690		Die-Cast				
106127-1400	Ceramic	Blue				
106127-1690		Die-Cast				
106127-1450		Green				
106127-0310		Metal	Beige	Screw		
106127-0590	Die-Cast					
106127-1300	Blue					
106127-1590	Ceramic	Die-Cast				
106127-1350		Green				

Quad LC Adapters

Order No.	Housing Material	Alignment Sleeve	Mounting Style	Housing Color	Shutters	
106123-0500	Metal (EMI)	Zirconia Ceramic	Snap	Blue	Yes	
106123-0600			Screw			
106123-0650				Green	No	
106123-0660			Rear Screw	Blue		
106123-0700				Plastic		Phosphor Bronze
106123-0200	Zirconia Ceramic	Green				
106123-1200	Phosphor Bronze	Aqua				
106123-2200	Zirconia Ceramic	Snap	Blue		Yes	
106123-3200	Phosphor Bronze		Beige			
106123-0400	Zirconia Ceramic		Green			
106123-1400	Phosphor Bronze	Screw	Blue			No
106123-2400	Zirconia Ceramic		Beige			
106123-3400	Phosphor Bronze		Green			
106123-0100	Zirconia Ceramic	Snap	Blue			
106123-1100	Phosphor Bronze		Beige			
106123-2100	Zirconia Ceramic		Green			
106123-3100	Phosphor Bronze	Screw	Aqua	No		
106123-0300	Zirconia Ceramic		Blue			
106123-1300	Phosphor Bronze		Beige			
106123-2300	Zirconia Ceramic	Snap	Green		No	
106123-3300	Phosphor Bronze		Aqua			

Eight-Port LC Adapters

Order No.	Housing Material	Housing Color	Mounting Style	Shutters	Alignment Sleeve
106121-0200	Plastic	Blue	Screw Mount	No	Zirconia Ceramic
106121-0202		Beige			Phosphor Bronze
106121-0201		Green			Zirconia Ceramic
106121-0203		Aqua			Phosphor Bronze
106121-0400		Blue	Snap Mount		Zirconia Ceramic
106121-0402		Beige			Phosphor Bronze
106121-0401		Green			Zirconia Ceramic
106121-0403		Aqua			Phosphor Bronze
106121-0100		Blue	Screw Mount	External	Zirconia Ceramic
106121-0102		Beige			Phosphor Bronze
106121-0101		Green			Zirconia Ceramic
106121-0103		Aqua			Phosphor Bronze
106121-0300		Blue	Snap Mount		Zirconia Ceramic
106121-0302		Beige			Phosphor Bronze
106121-0301		Green			Zirconia Ceramic
106121-0303		Aqua			Phosphor Bronze
106121-0450		Blue	Snap Mount	Internal	Zirconia Ceramic
106121-0470		Beige			Phosphor Bronze
106121-0460		Green			Zirconia Ceramic
106121-0480		Aqua			Phosphor Bronze
106121-0950	Metal (EMI)	Blue	Snap Mount	External	Zirconia Ceramic
106121-0952		Beige			Phosphor Bronze
106121-0951		Green			Zirconia Ceramic
106121-0953		Aqua			Phosphor Bronze