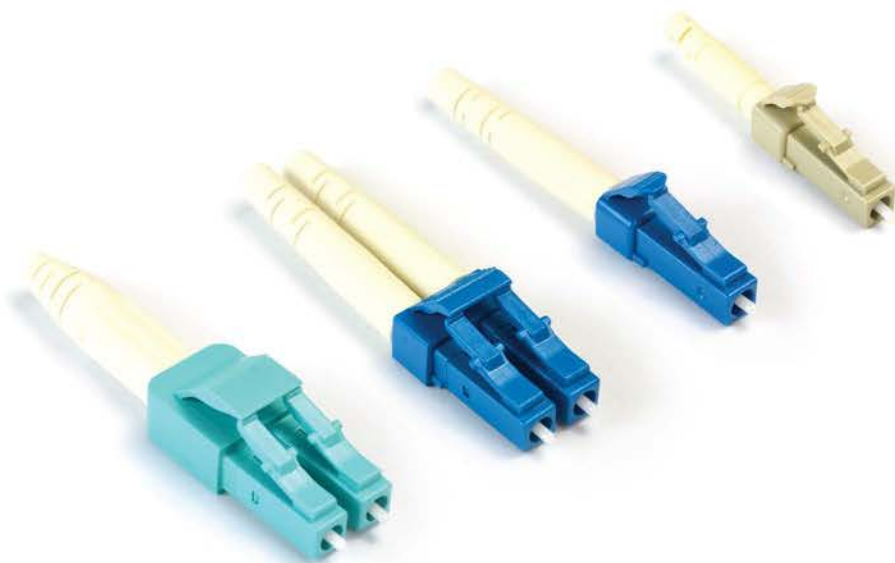


# LC CONNECTORS



# LC CONNECTORS



Amphenol's data communications fiber optic LC small form factor (SFF) connectors utilize the familiar RJ-45 latching mechanism. The LC connector is almost half the size of the popular SC connector, providing great space savings in the network. With accelerated growth demanding greater bandwidth in less physical space, LC connectors have emerged as a viable solution for high density frames and patch panels.

Amphenol's LC connectors are a high density low cost solution without any sacrifice of performance. Amphenol LC connectors are compliant to EIA/TIA-604-10 and IEC 61754-20.



## Features and Benefits

- Easy RJ45 coupling mechanism enables quick installation and the audible click signifies when connector is locked in place
- Pull proof design prevents signal interruption
- Small form factor size enables increased density compared to standard connectors
- Duplex version utilizes a removable flexible clip providing a float between channels A and B
- Singlemode and multimode versions
- Available with 900µm, 900µm Behind the Wall (BTW), 1.2mm, Micro, 1.6/2.0mm, or 3.0mm boots
- Multiple boot color options
- Angled boots also available (50 degree, 90 degree, and flexible boot from 0 to 90 degree)

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## Specifications

**Insertion Loss:** ≤ 0.15dB typical, singlemode  
≤ 0.25dB typical, multimode

**Return Loss:** Ultra (UPC) ≤ -55dB\*

**Durability:** < 0.2dB change, 500mating cycles

**Temperature:** < 0.3dB change, -40 to +85°C

### Intermateability:

Amphenol LC Connectors are mechanically and optically intermateable with industry standard LC connectors and adapters and conform to TIA/EIA, IEC, and Telcordia specifications.

\*Performance is polish dependent





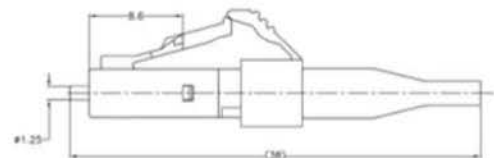
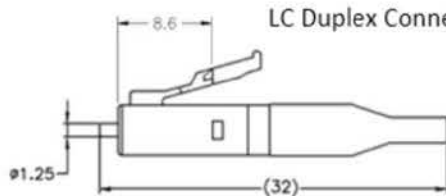
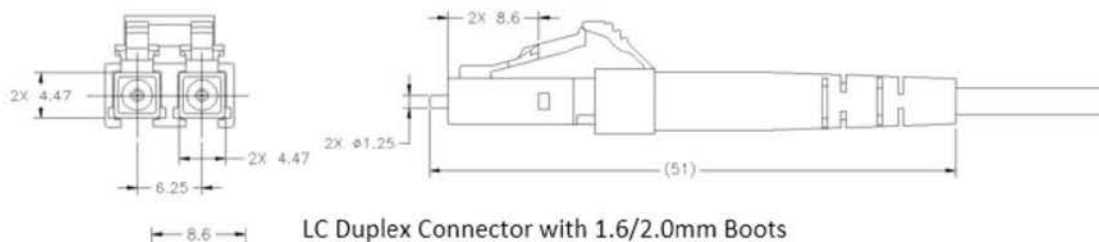
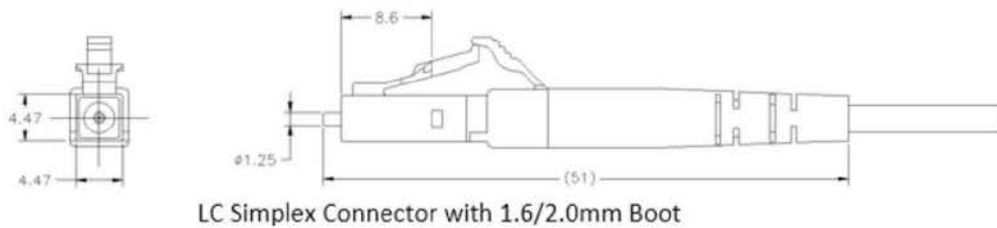


## LC Connector Ordering Information

Part # (LC Simplex)	Description	Recommended Cable Diameter	Body Clip	Boot
956-332-500314	LC Simplex Connector, Multimode, 127µm Zirconia Ferrule	3.0mm	Beige	Standard White
956-331-590314	LC Simplex Connector, Singlemode, 125.5µm Zirconia Ferrule	3.0mm	Blue	Standard White
956-332-500214	LC Simplex Connector, Multimode, 127µm Zirconia Ferrule	1.6/2.0mm	Beige	Standard White
956-334-500214	LC Simplex Connector, Multimode, 127µm Zirconia Ferrule	1.6/2.0mm	Black	Standard White
956-331-590214	LC Simplex Connector, Singlemode, 125.5µm Zirconia Ferrule	1.6/2.0mm	Blue	Standard White
956-342-500924	LC Simplex BTW Connector, Multimode, 127µm Zirconia Ferrule	900µm	(BTW) Beige	900µm White
956-341-590924	LC Simplex BTW Connector, Singlemode, 125.5µm Zirconia Ferrule	900µm	(BTW) Blue	900µm White

Part # (LC Duplex)	Description	Recommended Cable Diameter	Body Clip	Boot
956-322-502314	LC Duplex Connector, Multimode, 127µm Zirconia Ferrule	3.0mm	Beige	Standard White
956-321-592314	LC Duplex Connector, Singlemode, 125.5µm Zirconia Ferrule	3.0mm	Blue	Standard White
956-322-502214	LC Duplex Connector, Multimode, 127µm Zirconia Ferrule	1.6/2.0mm	Beige	Standard White
956-324-502214	LC Duplex Connector, Multimode, 127µm Zirconia Ferrule	1.6/2.0mm	Black	Standard White
956-321-592214	LC Duplex Connector, Singlemode, 125.5µm Zirconia Ferrule	1.6/2.0mm	Blue	Standard White
956-312-502924	LC Duplex Connector, Multimode, 127µm Zirconia Ferrule	1.6/2.0mm	Beige	900µm White
956-311-592924	LC Duplex Connector, Singlemode, 125.5µm Zirconia Ferrule	1.6/2.0mm	Blue	900µm White



# LC VARIATIONS



Simplex



Unibody



Standard



Duplex



Micro



Uniboot-F



Uniboot-S



Mini



Flippable  
Uniboot

Connector Body



Flex Boot (Uniboot)



Flex Boot



Short



1.2mm



Uniboot



45°



90°



900µm



2.0mm

Boots

## Accessories



Push/Pull Tab