LC Connectors Family

LC Connector, original designed by Lucent, is a small form factor (SFF) connector and an ideal for high density applications, it has become the most popular and best performing SFF connector. It looks similar to SC, but just half its size, and uses the RJ-45 telephone jack-like latch mechanism.

The SAISO LC Co nnor, includes singlemode and multimode, has a zirconia ceramic 1.25mm O.D. ferrule with either a PC or APC endface, and provides optimum insertion and return loss. The SAISO LC Connector is available with pre-assembled 1pc and LC Connector Kit versions (upon request), in together of LC Uniboot, LC Angled boot, LC-HD Connector and LC-Mini Connector. They are Telcordia, ANSI/EIA/TIA and IEC compliant, OPTKO is providing Standard and Premium level for choices, to better meet your different application and requirements.

Features

- Compliance with Telcordia, EIA/TIA/ANSI and IEC specification
- Compact, pull-proof design
- RJ-45 style interface
- Low insertion loss and back reflection loss
- High precision alignment
- Various housing color and boots color with UL-rated for choices
- Available with pre-assembled 1pc and connector kits design

Specification

Item	Singlemode		Multimode	
Insertion Loss	Standard	0.12dB Typical	Standard	0.20dB Typical
	Premium	0.08dB Typical	Premium	0.15dB Typical
Return Loss	≤55dB Typical (PC)		≥30dB (PC)	
	≥65dB Typical (APC)			
Durability	≤0.2dB typical change, 1000 matings		≤0.2dB typical change, 1000 matings	
Ferrule Hole Sizes (Custom sizes available)	125µm +1/-0, Concentricity: ≤1µm		127µm, Concentricity: ≤4µm	
	125.5µm +1/-0, Concentricity: ≤1µm			
Operating Temperature	-40℃ to +75℃		-40℃ to +75℃	

*The above Specifications were obtained by using SAISO recommended products and procedures.

LC/UPC Pro Connectors

900µm LC/UPC Pro, Simplex

2.0mm LC/UPC Pro, Simplex

Connector		Ferrule Type		Housing Color		Boot Size		Boot Color		Boot Type	
261	LC/UPC 1pc, SX	120	SM Standard 125µm	L	Blue	1	0.9mm	W	White	T	Standard
262	LC/UPC 1pc, DX	130	SM Premium 125µm	B	Beige	2	2.0mm	L	Blue	2	Short 12mm(2.0/3.0)
		305	MM Standard 127µm	A	Aqua	3	3.0mm	A	Aqua	5	Short 15mm(2.0/3.0)
				V	Violet			V	Violet	9	Short 19.5mm(2.0/3.0)
								Y	Yellow	8	Mini 18mm(2.0/3.0)
								K	Black	F	Flex Angled(2.0/3.0)
								R	Red		

Ordering Example: 261-120-L1WT

LC/APC Pro Connectors

900µm LC/APC Pro, Simplex

2.0mm LC/APC Pro, Simplex

Connectors		Ferrule Type		Boot Size		Boot Type	
281	LC/APC 1pc, SX	120	SM Standard 125µm	1	0.9mm	T	Standard
282	LC/APC 1pc, DX	130	SM Premium 125µm	2	2.0mm	2	Short 12mm(2.0/3.0)
				3	3.0mm	5	Short 15mm(2.0/3.0)
						9	Short 19.5mm(2.0/3.0)
						8	Mini 18mm(2.0/3.0)
						F	Flex Angled(2.0/3.0)

Ordering Example： 281-130-22

LC Adapters

SAISO provides a full range of LC Adapters with our high performance sleeves and plastic body, it performs well under high temperature and withdrawal force. Our LC Adapters are available in Simplex, Duplex and Quad configurations, its singlemode and multimode are come with a choice of zirconia sleeves or phosphor bronze sleeves.

The SAISO LC Adapters are available with the standard ones, in together of Shutter and Metal Housing LC adapters are all available. SAISO provides LC Adapters with Standard and Premium two quality levels for choices, to better meet the different applications and requirements.

◎ Features

- High precision alignment
- Compact design
- Low insertion loss
- High quality sleeves be used

- A full range of simplex, duplex and quad available
- Shutter option for eye protection of laser
- Telcordia, TIA/EIA and IEC compliance

◎ Specification

Item	Value
Insertion Loss	Zirconia Sleeve: 0.10dB typical, ≤0.20dB Max Phosphor Bronze Sleeve: 0.15dB typical, ≤0.30dB Max
Durability	≤0.1dB typical change, 500 matings
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Operating Temperature	-40℃ to +75℃

*The above Specifications were obtained by using SAISO recommended products and procedures.
*Measured using JDSU meter and Master Jumper.

LC Simplex, Blue

LC Simplex, Green

LC Simplex, Beige

Adapter		Fiber Channel		Sleeve		Housing Color	
222	Standard	1	Simplex	1	Zirconia	L	Blue
227	Premium			2	Phosphor Bronze	G	Green
						B	Beige
						A	Aqua

Ordering Example： 227-11L

LC Duplex RJ-45, Blue

LC Duplex RJ-45, Aqua

Adapter		Fiber Channel		Sleeve		Housing Color	
222	Standard	R	Duplex, RJ-45	1	Zirconia	L	Blue
227	Premium			2	Phosphor Bronze	G	Green
						B	Beige
						A	Aqua

Ordering Example： 227-R1L

One Piece, Duplex, Symmetrical, Blue

One Piece, Duplex, Symmetrical, Aqua

One Piece, Quad, Symmetrical, Green

One Piece, Quad, Symmetrical, Aqua

Adapter		Fiber Channel		Sleeve		Flange		Housing Color	
220	Premium One Piece	2S	Duplex, Symmetrical	1	Zirconia	1	With Flange	L	Blue
221	Standard 2pcs	4S	Quad, Symmetrical	2	Phosphor Bronze	2	No Flange	G	Green
222	Premium One Piece							B	Beige
227	Premium 2pcs							A	Aqua
								V	Violet

Ordering Example： 220-4S11-A