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 nno, 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, SAISO 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 U L-rated for choices
- Available with pre-assembled 1pc and connector kits design

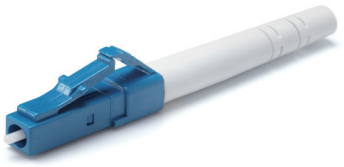
Specification

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°C to +75°C		-40°C to +75°C	

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

LC/UPC Premium 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		

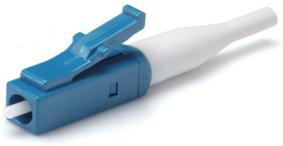
Ordering Example: 261-120-L1WT

LC/APC Premium Connectors

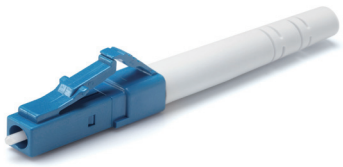
Connectors		Ferrule Type		Boot Size		Boot Type	
281	LC/APC 1pc, SX	120	SM Standard 125μm	1	0.9mm	T	Standard
282	LC/APC 1pc, DX	130	SM Premium 125μm	2	2.0mm	2	Short 12mm(2.0/3.0)
				3	3.0mm	5	Short 15mm(2.0/3.0)
						9	Short 19.5mm(2.0/3.0)
						8	Mini 18mm(2.0/3.0)
						F	Flex Angled(2.0/3.0)

Ordering Example：281-130-22

LC/UPC Enhanced Connectors



900μm LC/UPC Pro, Simplex



2.0mm LC/UPC Pro, Simplex

Connector	
261	LC/UPC 1pc, SX
262	LC/UPC 1pc, DX

Ferrule Type	
120	SM Standard 125μm
130	SM Premium 125μm
305	MM Standard 127μm

Housing Color	
L	Blue
B	Beige
A	Aqua
V	Violet

Boot Size	
1	0.9mm
2	2.0mm
3	3.0mm

Boot Color	
W	White
L	Blue
A	Aqua
V	Violet
Y	Yellow
K	Black
R	Red

Boot Type	
T	Standard
2	Short 12mm(2.0/3.0)
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: 261-120-L1WT

LC/APC Enhanced Connectors

900μm LC/APC Pro, Simplex

2.0mm LC/APC Pro, Simplex

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282	LC/APC 1pc, DX

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Ordering Example: 281-130-22