

## LC STANDARD CONNECTORS

The SENKO LC family of singlemode and multimode connectors, adapters and associated components are manufactured under a worldwide license from OFS. The LC is a small form factor (SFF) connector and is ideal for high density applications. A Behind the Wall (BTW) version is available with short connector and boot for ultra-compact requirements.

The LC connector has a zirconia ceramic ferrule measuring 1.25mm O.D. with either a PC or APC end-face, and provides optimum insertion and return loss.\* The LC connector is used on small diameter mini-cordage (1.6/1.8/2.0mm) as well as 3.0mm cable. LC Connectors are available in pre-assembled or kit (unassembled) formats. The LC connector family is Telcordia, ANSI/EIA/TIA and IEC compliant.

### APPLICATIONS

- Gigabit ethernet
- Video
- Active device termination
- Premise installations
- Telecommunications networks
- Multimedia
- Industrial
- Military

### FEATURES

- Compact, pull-proof design
- RJ-45 style interface
- Low insertion loss and low back reflection\*
- Polarized and color coded (TIA 568-A & ISO 11801)
- UL-rated plastic housing and boot
- Behind the Wall (BTW) style short connector & boot available
- High precision alignment



LC Simplex Jumper Connector, Singlemode



LC Duplex Jumper Connector, Multimode



LC APC Behind The Wall (BTW) Connector

\*When terminated using SENKO recommended procedures.

### SPECIFICATIONS

	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
Operating Temperature	-40 to +75°C	
Ferrule Hole Sizes	125.5µm +1/-0 Concentricity: ≤ 1µm 126µm +1/-0 Concentricity: ≤ 1µm 125µm +1/-0 Concentricity: ≤ 1µm	127µm

Specifications shown above were obtained using SENKO recommended products and procedures.

### ORDER CODE (LC CONNECTORS)

CODE	TYPE	FERRULE I.D.	HOUSING	BOOT	BOOT COLOR
91 Pre-assembled	1 Simplex	191 SM 125.5µm	1 Blue	1 1mm Fiber Standard	1 White
92 Unassembled Kit	2 Duplex	192 SM 126µm	2 Beige	2 1.6/1.8/2.0mm Cable	2 Blue
		193 SM 125µm	3 APC Green	4 3.0mm Cable	3 Black
		291 MM 127µm			5 Red*
					6 Green

Custom configurations available upon request. \*For 1.6 / 1.8 / 2.0mm Cable and 3.0mm Cable Jumper Connectors.

CONTACT SENKO Advanced Components

Email: Sales@senko.com URL: <http://www.senko.com>

USA-MA	Tel.+1-888-32-SENKO	JPN	Tel.+81 (0)3 5825 0911
USA-CA	Tel.+1-858-623-3300	HKG	Tel.+852 2121 0516
UK	Tel.+44 (0)118 982 1600	AUS	Tel.+61 (0)3 9755 7922
ITA	Tel.+39 011 660 6011	CN	Tel.+86 755 8347 8956

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