

LC Connectors & Adapters

The 721 series of LC connectors offer great performance with very high repeatability and low insertion loss. These products are fully intermatable with standard LC licensed products and deliver long term stability under a broad range of applications and conditions. 721 series connectors utilize tightly toleranced ceramic ferrules to ensure consistent low loss and ease of assembly. AFOP also manufactures an LC adapter family to support LC interconnection.

APPLICATIONS

- Local Area Networks
- Fast Ethernet
- ATM Networks
- Optical Transport
- Optical Access Networks

FEATURES

- Various Options: Boot Color, Boot Type, Housing Color, EMI Shielding and Retractable door for Adapters
- Unique LC Adapters in SC Footprint
- Singlemode and Multimode Versions
- Telcordia GR-326 Compliant
- Patented Metal Rear Body for Connectors
- Compact LC Duplex Connector for High-Density Interconnect Applications



SPECIFICATIONS - LC CONNECTOR / 721 SERIES

Parameters	Multimode	Singlemode
Insertion Loss	0.2 dB Typical 0.3 dB Maximum	0.15 dB Typical 0.25 dB Maximum
Back Reflection	- 25 dB Typical	- 35 dB PC Polish - 45 dB Super PC - 55 dB Ultra PC
Connection Durability	500 Matings	500 Matings
Connector Repeatability	$\Delta IL < 0.2$ dB	$\Delta IL < 0.1$ dB
Operating Environment	- 40°C to + 85°C	- 40°C to + 85°C
Temperature Cycling	$\Delta IL < 0.20$ dB	$\Delta IL < 0.20$ dB
Vibration	$\Delta IL < 0.20$ dB	$\Delta IL < 0.20$ dB
Cable Retention	> 15 Lbs.	> 15 Lbs.

SPECIFICATIONS - LC ADAPTER / 740 SERIES

Parameters	Phosphor/Bronze	Zirconia
Operating Temperature	- 40°C to + 85°C	- 40°C to + 85°C
Connection Durability	500 Matings	500 Matings
Repeatability	$\Delta IL < 0.2$ dB	$\Delta IL < 0.1$ dB
Insertion Loss	< 0.3 dB	< 0.25 dB

ORDERING INFORMATION LC CONNECTOR / 721 SERIES

721	-	N	N	N	O	-	N	N	8	O	B
		↓	↓	↓			↓	↓			
		Ferrule Type	Body Type	Boot Type			Housing Color	Boot Color			Color Chart
		1: SM 125 μ m 2: SM 126 μ m 3: MM 127 μ m 4: APC 125 μ m Preangled 5: APC 126 μ m Preangled	1: Simplex 2: Duplex 3: Simplex with clip 4: Slimpack ¹ 6: Slimpack RLC ¹	1: 900 mm Boot 2: 2 mm Ribbed Boot 3: 3 mm Ribbed Boot 7: 2.4 mm Ribbed Boot ² Other: Custom			3: APC: Green 8: SM/MM: White				0. Translucent (Cap Only) 1. Black 2. Yellow 3. Green 4. Red 5. Blue 6. Orange 7. Beige 8. White

Notes:

* All parts are sold in units of 100 **Refer to color chart for additional non-standard boot and housing colors

***Non-standard color lead time may be longer. Lucent LC is a trademark of Lucent, Inc.

1. Only available for 3 mm and 2.4 mm boot.

2. Only available for Slimpack.

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ORDERING INFORMATION - LC ADAPTER / 740 SERIES

740-0025-006	LC, Duplex, Adapter, Ceramic Sleeve, SC Cutout, Flange, with Retractable Door , Blue Body
740-0045-006	LC, Duplex, Adapter, Ceramic Sleeve, SC Cutout, Flange, Blue Body
740-0065-006	LC, Duplex, Adapter, Ceramic Sleeve, SC Cutout, w/o Flange, with Retractable Door, Blue Body
740-0085-006	LC, Duplex, Adapter, Ceramic Sleeve, SC Cutout, w/o Flange, Blue Body
740-0125-006	LC, Quad, Adapter, Ceramic Sleeve, SC Cutout, Flange, Blue Body
740-0145-006	LC, Quad, Adapter, Ceramic Sleeve, SC Cutout, w/o Flange, Blue Body
740-0155-006	LC, Duplex, Adapter, Ceramic Sleeve, SC Cutout, Flange. EMI Shielding, Blue Body
740-0175-006	LC, Duplex, Adapter, Ceramic Sleeve, Standard Cutout, Blue Body
740-0187-006	LC, Simplex, Adapter, Metal Sleeve, Standard Cutout, Beige Body
740-0195-006	LC, Simplex, Adapter, Ceramic Sleeve, Standard Cutout, Blue Body