LC Connectors and Adapters

CORNING

Features and Benefits

Various options: Boot color, boot type, housing color, EMI shielding, and retractable door for adapters

Unique LC adapters in SC footprint

Single-mode and multimode versions

Proprietary metal rear body for connectors

Compact LC duplex connector for high-density interconnect applications

Standards

RoHS	Free of hazardous substances according to RoHS2011/65/EU
Design and Test Critera	Complies with TIA-604-10 and IEC 61754-20
	Product is qualified to Telcordia GR-326-CORE

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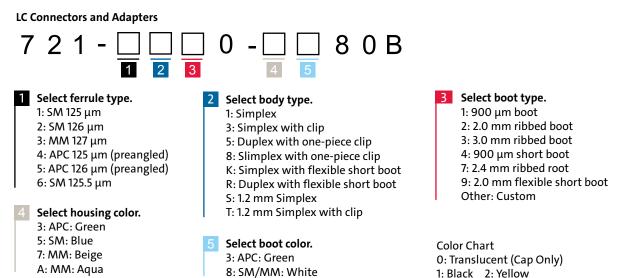
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Specifications

LC Connector/721 Series*	Multimode	Single-Mode
Insertion Loss	0.2 dB Typical 0.3 dB Maximum	0.15 dB Typical 0.25 dB Maximum
Back Reflection	-25 dB Typical	-55 dB Ultra PC
Connection Durability	500 Matings	500 Matings
Connection 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	$\Delta IL < 0.2$ dB	$\Delta IL < 0.2$ dB
Vibration Loss Change	$\Delta IL < 0.2$ dB	$\Delta IL < 0.2$ dB
Cable Retention Loss Change	> 15 lb	> 15 lb

LC Adapter/740 Series*	Multimode	Single-Mode
Operating Temperature	-40°C to +85°C	-40°C to +85°C
Connection Durability	500 Matings	500 Matings
Connection Repeatability	$\Delta IL < 0.2$ dB	$\Delta IL < 0.1$ dB
Insertion Loss	< 0.3 dB	< 0.3 dB

Ordering Information

LC Connectors and Adapters

7 2 1 - ☐ ☐ ☐ 0 - ☐ ☐ 8 0 B
        1 **2** **3**   **4** **5**

1 **Select ferrule type.**
1: SM 125 µm
2: SM 126 µm
3: MM 127 µm
4: APC 125 µm (preangled)
5: APC 126 µm (preangled)
6: SM 125.5 µm

4 **Select housing color.**
3: APC: Green
5: SM: Blue
7: MM: Beige
A: MM: Aqua

2 **Select body type.**
1: Simplex
3: Simplex with clip
5: Duplex with one-piece clip
8: Slimplex with one-piece clip
K: Simplex with flexible short boot
R: Duplex with flexible short boot
S: 1.2 mm Simplex
T: 1.2 mm Simplex with clip

5 **Select boot color.**
3: APC: Green
8: SM/MM: White

3 **Select boot type.**
1: 900 µm boot
2: 2.0 mm ribbed boot
3: 3.0 mm ribbed boot
4: 900 µm short boot
7: 2.4 mm ribbed root
9: 2.0 mm flexible short boot
Other: Custom

Color Chart
0: Translucent (Cap Only)
1: Black   2: Yellow

These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.

RoHS COMPLIANT

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