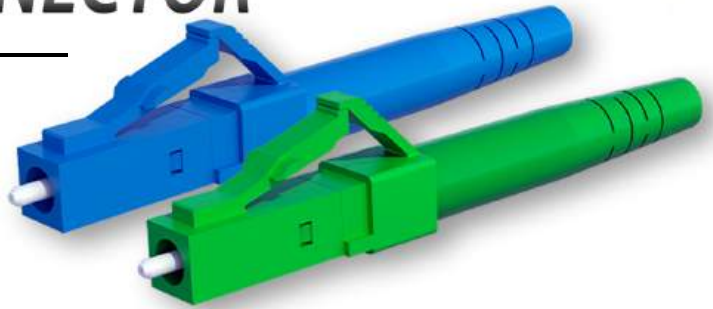


# LC STANDARD CONNECTOR

## UPC/APC



Engineered to deliver robust and reliable connectivity, the SUNCONEC LC Precision connector is fully compliant with GR-326-CORE and IEC 61753-1 Grade B standards. Its advanced design ensures consistent performance in diverse network environments, supporting both single-mode and multimode applications.

Designed for flexible deployment, this series offers multiple boot options including 900 µm, 2 mm, and 3 mm configurations to suit varied cabling requirements. With UL-recognized housings and a secure push-pull latching mechanism, it provides durable, high-density connectivity ideal for modern telecommunications and data center infrastructure.

### Features

- “Unibody” design for increased mechanical strength and long term reliability and durability.
- Precision 1.25 mm ferrules for superior performance.
- Designed to exceed GR-326-CORE standards.
- Compact design for high density applications.
- Fully compliant to IEC 61754-20
- User-friendly design for straightforward installation and maintenance.

### Applications

- Data centers
- Telecommunications
- Local area networks (LANs)
- Fiber to the home (FTTH)
- Medical equipment
- Industrial applications
- Enterprise networks
- Military and aerospace
- Broadcasting

### Key benefits

- ✓ High density connectivity
- ✓ Precision alignment
- ✓ High performance
- ✓ Multi use applications

Optical Data

	Singlemode				Multimode
	UPC		APC		MM
	Low Loss	Standard	Low Loss	Standard	Standard
Typical Insertion Loss (dB)*	0.05	0.08	0.07	0.12	0.10
Max.Insertion Loss (dB)*	0.15	0.20	0.15	0.25	0.20
Typical Return Loss (dB)*	≥55		≥65		≥25
Ferrule Diameter (μm)	125				127

\*Based on master grade jumper to low loss random mating test.

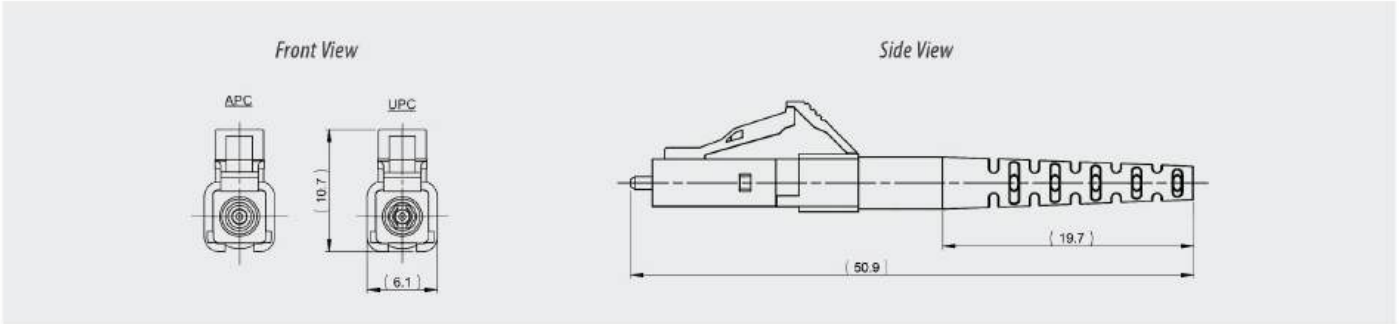
Mechanical Data

	Value
Durability	<0.2dB typical change, 500 Matings
Fiber Count	Simplex / duplex (1 or 2 Fiber)
Cable Suitability	900 μm to 3 mm
Ferrule Material	Zirconia

Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes
Humidity Resistance	95%

Connector Drawing



- Note: 1. All dimensions are in mm.  
2. 2 mm Mini Boot shown, other boot options are available upon request.  
3. Specifications subject to change without notice.