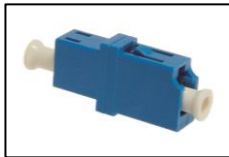
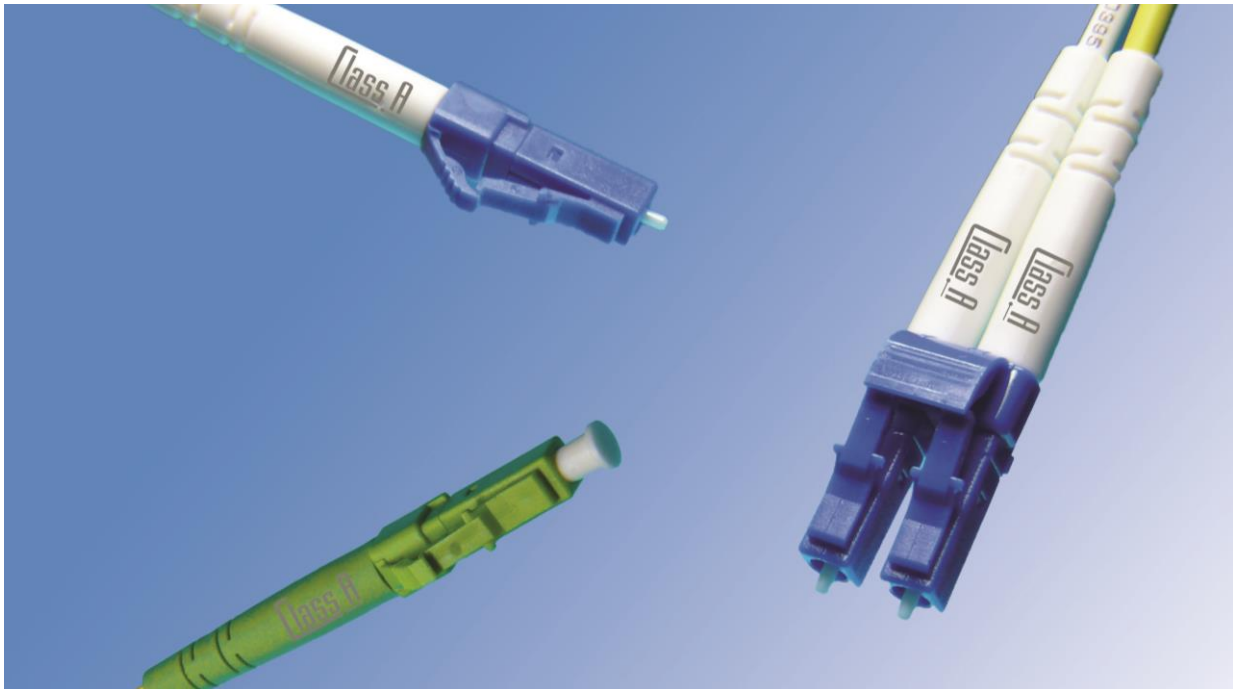


Connectors ▶ LC Class A-Connector



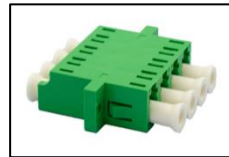
Adapter Simplex



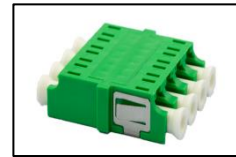
Adapter Simplex



Adapter Duplex



Adapter Quad
screw mounting



Adapter Quad
quick mounting

General Information

LC connectors are part of the optical small form factor (SFF) connector family with a ferrule diameter of 1.25mm. Due to their compact design and good mechanical properties they achieve excellent optical measurement values.

Material

- Connector: plastic
- Adapter: metal with split and floating zirconia alignment sleeve
- Ferrule: zirconia
- Dust Cap: plastic

Standards

- LC-PC: IEC 61754-20
- LC-APC: IEC 61754-20

Design Connectors

- LC-Simplex and LC-Duplex

Design Adapters

- LC-Simplex, LC-Duplex and LC-Quad
- Simplex delivery: quick mounting
- Duplex and Quad:
 - Screw mounting (standard delivery)
 - Quick mounting (optional delivery)
- Other Duplex types with external dust cap or internal shutter (on request)

Colour coding

- LC-PC: blue
- LC-APC: green

Applications

- Telecommunication, CATV, LAN, MAN, WAN, measuring systems

FOC LC Class A-Connector

- Industry, medical engineering, sensor technology

Specifications of connectors

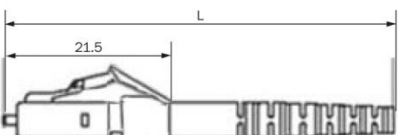

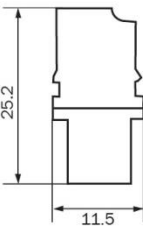
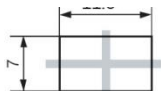
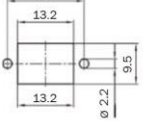
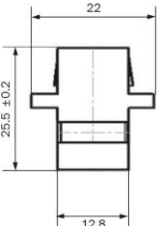

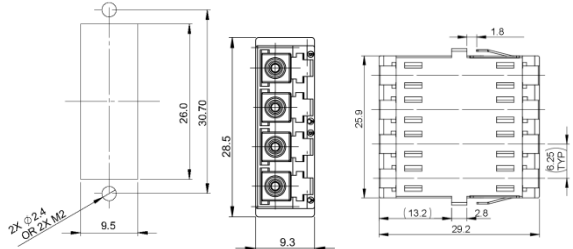
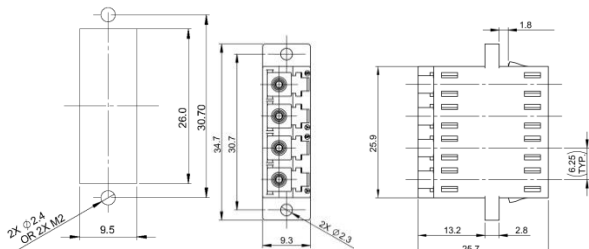
Standard	Singlemode PC	Singlemode APC	Unit	Test conditions
Insertion Loss (IL)	max: 0,1	max: 0,1	dB	IEC 61300-3-34
Return Loss (RL)	min: 50	min: 70 ¹	dB	IEC 61300-3-6
Repeatability of IL	max: ± 0,05	max: ± 0,05	dB	
Durability	1000 matings			
Operating temperature range	- 40 bis + 85		°C	depends from used type of cable

¹ measured with precision reflectometer

Active specifications

Type of fibre, geometry of cable, material of cable: please inform in the Technical Information **FOC list of cable**.

Dimensions

LC Class A Simplex	LC Class A Duplex						
 <table border="1" data-bbox="188 1102 507 1187"> <thead> <tr> <th>Type of pictail</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>Fibre</td> <td>max.50</td> </tr> <tr> <td>Cable</td> <td>max.50</td> </tr> </tbody> </table>	Type of pictail	Length	Fibre	max.50	Cable	max.50	
Type of pictail	Length						
Fibre	max.50						
Cable	max.50						
Adapter Simplex without shutter	Adapter Duplex without shutter						
 <p>quick mounting</p>  <p>max. wall thickness 1.6</p>	<p>screw mounting</p>   <p>max. wall thickness 1.6</p> 						
Adapter Quad for quick mounting	Adapter Quad for screw mounting						
							
All dimension units are mm.							

