

LC connectors are part of the optical small form factor (SFF) connector family with a ferrule diameter of 1.25 mm. 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

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
- LC-MM: beige

Applications

- Telecommunication, CATV, LAN, MAN, WAN, measuring system
- Industry, medical engineering, sensor technology

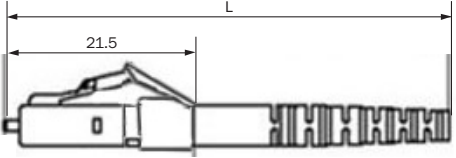
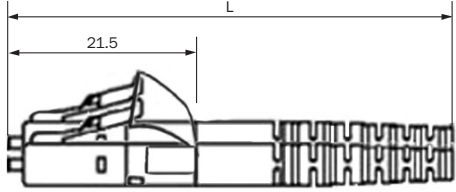
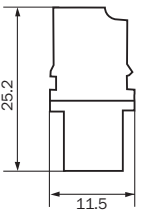
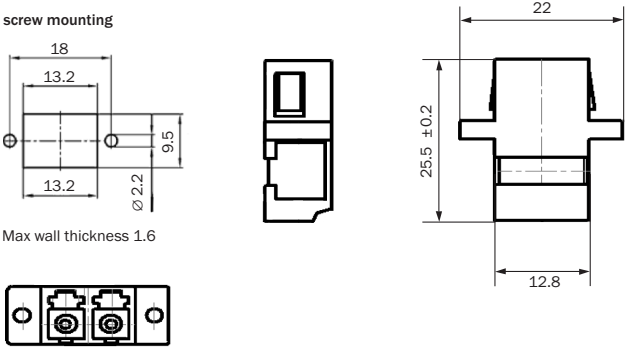
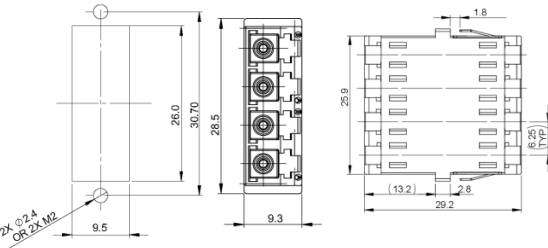
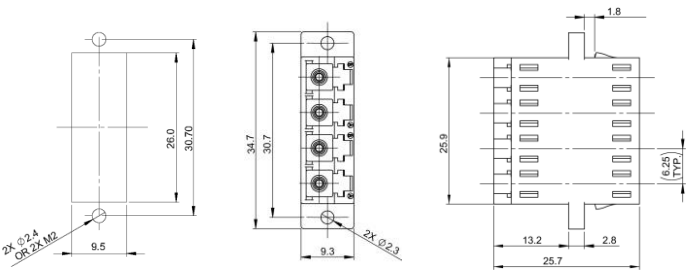
Specifications of connectors

Standard	Singlemode PC	Singlemode APC	Multimode	Unit	Test conditions
Insertion Loss (IL)	typ: 0,12 ¹ max: 0,25 ¹	typ: 0,12 ¹ max: 0,25 ¹	typ: 0,25 ² max: 0,40 ²	dB	IEC 61300-3-34
Return Loss (RL)	typ: 50 ³ min: 45 ³	typ: 70 ⁴ min: 65 ⁴	typ: 40 min: 35	dB	IEC 61300-3-6
Repeatability of IL	max: ±0,1	max: ±0,1	max: ±0,1	dB	
Durability	>1000 matings				
Operating temperature range	-40 to +85			°C	depends from used type of cable

■ ¹ 61755-1 Grade B ■ ² 61753-122-2 Grade A ■ ³ 61755-1 Grade 2 ■ ⁴ 61755-1 Grade 1

Active specifications

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

LC-Simplex		LC-Duplex							
									
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Type of pictail	Length								
Fibre	max. 50								
Cable	max. 50								
LC-Simplex Adapter without cap		LC-Duplex Adapter without cap							
 <p>quick mounting</p> <p>Max wall thickness 1.6</p>	 <p>screw mounting</p> <p>Max wall thickness 1.6</p>								
LC-Quad Adapter for quick mounting		LC-Quad Adapter for screw mounting							
									
<p>All dimension units are mm.</p>									