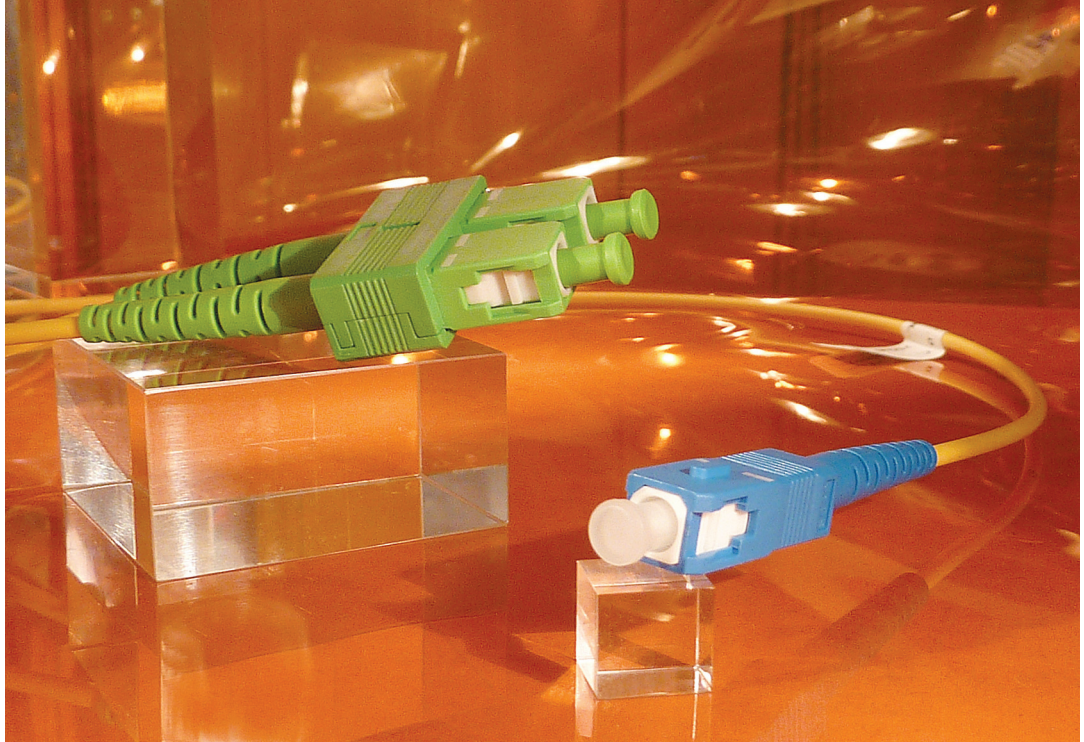
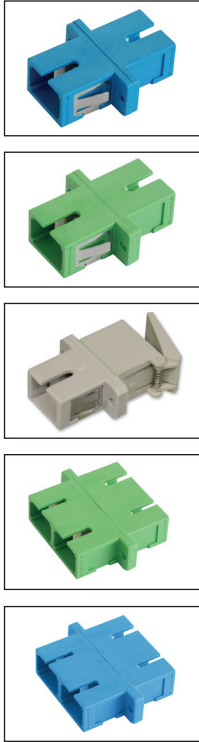




For a complete connector overview visit our website www.foc-fo.com.

Connectors ▶

SC-Simplex & SC-Duplex



SC connectors are among the most widely used optical connector systems in the world. Due to their good mechanical properties they achieve excellent optical measurement values.

Material

Connector	plastic
Adapter	plastic housing with split and floating zirconia alignment sleeve
Ferrule	zirconia
Dust Cap	plastic

Standards

- SC-PC: NTT-SC, CECC 86 260, IEC 61754-4
- SC-APC: IEC 61754-4

Design

Connectors:

- SC-Simplex and SC-Duplex

Adapters:

- SC-Simplex and SC-Duplex
- with/without self-closing dust cap
- Standard delivery: screw mounting
- Optional delivery: quick-mounting

Colour coding:

- SC-PC: blue
- SC-APC: green
- SC-MM: beige

Applications

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



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Release 22.04.2020
 Subject to modifications
 DBE-CON-0132V003
 Page 1 of 2

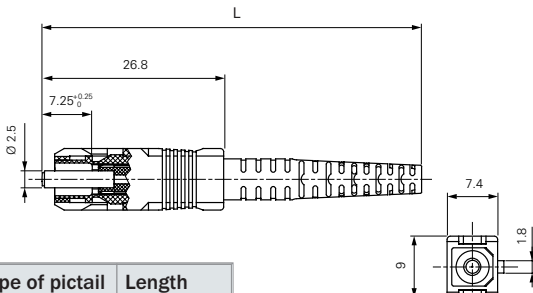
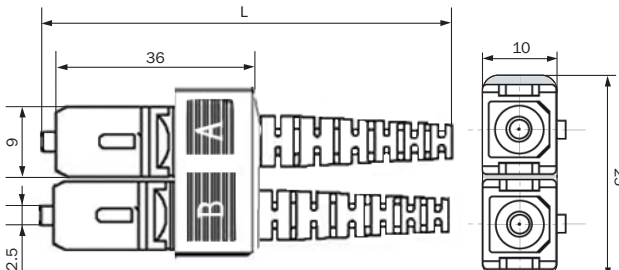
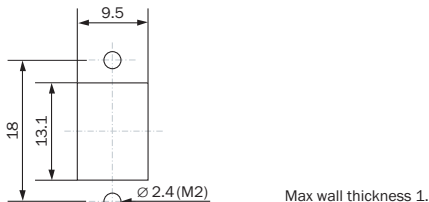
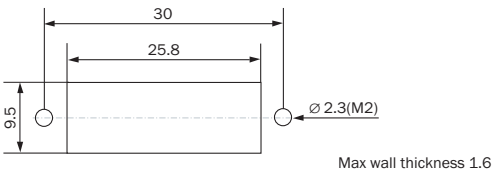
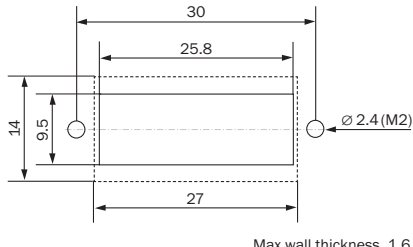
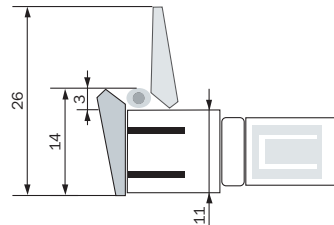
Specifications of connectors

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

SC-Simplex	SC-Duplex						
 <table border="1" data-bbox="151 1198 414 1310"> <thead> <tr> <th>Type of pictail</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>Fibre</td> <td>max. 54</td> </tr> <tr> <td>Cable</td> <td>max. 58</td> </tr> </tbody> </table>	Type of pictail	Length	Fibre	max. 54	Cable	max. 58	
Type of pictail	Length						
Fibre	max. 54						
Cable	max. 58						
Assembly dimensions SC-Simplex Adapter without cap	Assembly dimensions SC-Duplex Adapter without cap						
							
Assembly dimensions SC-Duplex Adapter with cap							
							

All dimension units are mm.