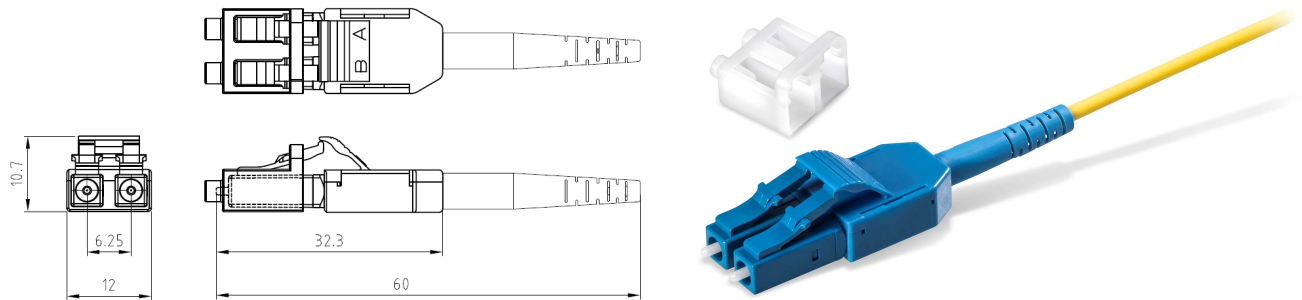


LC-COMPACT Shortboot connector



**Properties and applications**

- LC-Duplex connector with compact and rugged backshell with short central strain relief and boot for round cable (Uniboot)
- A/B polarity can be easily tool-less changed
- The short boot enables the use of the connector in applications with low depth, like ODF Optical Distribution Frames
- Translucence duplex protection cap, fast and secure to handle and permeable for the light of laser pointers (visual fault locators)
- *The surfaces of the connectors in the quality feature LOTUS are coated in order to achieve a dust-, grease- and humidity repellent characteristic. In the unlikely case cleaning might be necessary it has to be carried out in a contact-free way by compressed air, only. Abrasive cleaning tools like reel cleaner or click cleaner must not be applied.*

**Standards**

LC-Duplex acc. to IEC/DINEN 61754-20 and EIA/TIA 604-10

**Material**

- Ferrule: Zirconia ceramic, Ø 1.25 mm
- Body: PEI, flammability UL94-V0
- Boot: TPE, flammability UL94-V0
- Protection cap: POM, flammability UL94-HB

**Optical properties**

Insertion Loss IL acc. to IEC61300-3-4, Method B, against reference, maximum [dB]:

	Quality feature	BASIC	PURE	LOTUS
- Singlemode SM, 9/125µm		0.30	0.20	0.30
- Multimode OM1, 62.5/125µm		0.30	---	---
- Multimode low IL OM2, OM3, OM4, OM5, 50/125µm		0.15	0.15	0.15

Insertion Loss IL „random mated“ acc. to IEC61300-3-34, Method 2, [dB]:

Quality feature BASIC and LOTUS	mean value	maximum
- Singlemode SM, 9/125µm	0.13	0.50
- Multimode low IL OM2, OM3, OM4, OM5, 50/125µm	0.03	0.27

Insertion Loss IL quality feature PURE “random mated” application limit value, maximum [dB]:

- Singlemode SM, 9/125µm	97%	0.25
- Multimode low IL OM2, OM3, OM4, OM5, 50/125µm	100%	0.40

Return Loss RL acc. to IEC61300-3-6, Method 1, against reference, minimum [dB]:

	Quality feature	BASIC	PURE	LOTUS
- Singlemode SM, 9/125µm, PC 0°		45	45	35
- Singlemode SM, 9/125µm, UPC 0°		55	55	35
- Singlemode SM, 9/125µm, APC 8°		65	70	tbd
- Multimode all classes		35	40	35

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LC-COMPACT Shortboot connector

**Mechanical properties**

- Mating cycles quality feature BASIC and PURE
- Mating cycles quality feature LOTUS
- Strain relief

min. 1000, IL increase < 0.2 dB  
 min. 150, IL increase < 0.2 dB  
 max. 100 N, dependent on cable type

**Thermal properties**

- Operation temperature range
- Storage temperature range

-40°C to +85°C, dependent on cable type  
 -40°C to +85°C

**Cable diameters**

Round cable types

Ø 2.0 to 3.0 mm

**Colors**

Connector body / boot:

- Singlemode SM, 9/125µm, PC and UPC 0°
- Singlemode SM, 9/125µm, APC 8°
- Multimode OM1, 62.5/125µm
- Multimode OM2, OM3, OM4, OM5, 50/125µm

blue / blue  
 green / green  
 beige / white  
 black / black

**Polarity change**

1) Remove the connector top cover by inserting a fingernail or a small lever into the crack that separates the two halves.

2) Carefully swap position of the connectors by lifting them up and out of the bottom housing.

3) Reposition the top cover and snap into place.



While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
H. Jungbäck	2018-12-13	A. Burggraf	2018-12-13	006	----	H. Jungbäck	2019-11-12