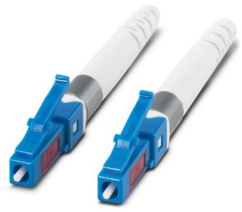
FOC-C-LCD-SM - FO connectors

1089520

https://www.phoenixcontact.com/us/products/1089520

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

LC duplex single mode connector for wire or cable assembly



LC duplex connector, IP20

Product description

LC duplex connector, for assembling onto wires or cables with a diameter of 2.0 mm or 3.0 mm, single mode 9/125 µm. The reusable connector is particularly suitable for quick and easy field connection, as there is no need for bonding and polishing.

Your advantages

- Suitable for quick and easy field assembly or repair
- No bonding or polishing
- Reusable connectors
- A real alternative to splicing
- Optimum attenuation values with easy assembly
- Long-term durability thanks to the latest index matching gel

Commercial data

Item number	1089520
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIAC
GTIN	4055626894225
Weight per piece (including packing)	9.5 g
Weight per piece (excluding packing)	9.5 g
Customs tariff number	85367000
Country of origin	DE

Technical data

Product properties

Product type	Fiber optic connector (cable side)
Type	LC
Number of positions	2
Connection profile	LC duplex plug
Number of slots	2
Cable outlet	straight

Electrical properties

Attenuation	>= 0.5 dB 900 µm (95%, <0.7 dB for cable connection)

Connection data

Connection method	mechanical splice

Dimensions

Mechanical characteristics

Ferrule diameter	1.25 mm

Material specifications

Material	Plastic
Ferrule material	Zirconia ceramics
Housing material	PBT

Cable/line

Cable type	Single-mode fiberglass
Cable type	for all common cable types
Cable structure	STB and TB
External cable diameter	0.25 mm up to 3 mm (for the wire and cable connection)
	2 mm ... 3 mm (Core assembly)
External sheath, color	blue
Wire diameter	2 mm ... 3 mm
Individual wire diameter	900 µm (for pigtails 0.9 mm, for cable connection 2 mm and 3 mm)
Tensile strength short-term/long-term	50 N
Halogen-free	yes
Flame resistance	yes

FO cable

Number of fibers	2
Fiber	Fiberglass
Fiber type	Single mode 9/125 µm
Transmission medium	FO

Mechanical properties

Tensile strength short-term/long-term	50 N

Mechanical data

Insertion/withdrawal cycles	≥ 500 (according to IEC 61300-2-2)
Extraction force per signal contact	≥ 50 N (Cable connection in accordance with IEC 61300-2-4)

Characteristics

Attenuation	>= 0.5 dB 900 µm (95%, <0.7 dB for cable connection)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-25 °C ... 70 °C (with cable connection only at room temperature)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Ambient temperature (assembly)	0 °C ... 50 °C

Standards and regulations

Flame resistance	yes

Mounting

cable layer type	Indoors

Classifications

ECLASS

ECLASS-15.0	19170122
ECLASS-13.0	19170122

ETIM

ETIM 10.0	EC001122

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	1.128 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com