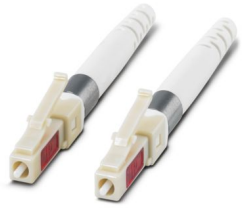
FOC-C-LCD-MM - FO connectors

1089521

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LC duplex multimode 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, multimode 50/125 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	1089521
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNIAC
GTIN	4055626894119
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	Multimode 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	beige
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	Multimode 50/125 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-13.0	19170122
ECLASS-15.0	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	1.138 kg CO2e

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