



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## FO connectors - FOC-C-LCDU-GOF-SM-PC - 1411053

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LC duplex connector, with long bend protection, for single mode 9/125  $\mu\text{m}$ , PC polishing, blue

### Product Description

LC duplex connector, for wires 2.0 mm to 3.0 mm in diameter, single mode 9/125  $\mu\text{m}$ , PC polishing.

The reusable connector is particularly suitable for quick and easy field connection, as there is no need for bonding and polishing.

### Why buy this product

- 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
- the 8° fiber transition ensures optimum return loss (RL)
- meets IEC 61754-20 (LC) and FprEN 50377-17-1 (connectors for field assembly)
- Cleave technology
- Reusable connectors

### Key Commercial Data

Packing unit	1 STK
Custom tariff number	85367000
Country of origin	Bulgaria

### Technical data

#### Mechanical characteristics

Connection profile	LC duplex plug
Locking type	Clip locking
Fiber type	Quartz fiber
Fiber	9/125 $\mu\text{m}$
Ferrule diameter	1.25 mm

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## Technical data

### Mechanical characteristics

Insertion/withdrawal cycles	≥ 500 (according to IEC 61300-2-2)
Connection method	mechanical splice
Type of contact	Index matching gel with extended temperature range
Max. cable diameter	2 mm ... 3 mm
Cable exit	straight
Type of cable	For all common cable types
Cable structure	Semi-loose compact wires (STB)
Color	blue
Wire diameter	2 mm ... 3 mm

### Ambient conditions

Ambient temperature (operation)	-10 °C ... 60 °C (IEC 61300-2)
Degree of protection	IP20

### Material data

Flammability rating according to UL 94	V0
Ferrule material	Zirconia ceramics

### Line characteristics

Type of cable	For all common cable types
Cable type	Fiberglass
Cable structure	Semi-loose compact wires (STB)
Number of fibers	1
Fiber type	Single-mode fiberglass
Fiber	GOF
Attenuation	≤ 0.5 dB ((95%) according to IEC 61300-3-34)
	≤ 0.2 dB ((typical value) according to IEC 61300-3-34)
Tensile strength short-term/long-term	70N (120s.) bei Aderdurchmesser >2 mm
cable layer type	Indoors

### Standards and Regulations

Flammability rating according to UL 94	V0
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## Classifications

### eCl@ss

eCl@ss 5.1	27260701
eCl@ss 6.0	27260705
eCl@ss 8.0	19170122

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## Classifications

eCl@ss

eCl@ss 9.0	19170122
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ETIM

ETIM 5.0	EC001122
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## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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## Approval details

EAC
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## Accessories

Accessories

Assembly tool

FO accessories - FOC-TOOL-FERRULECLEANER-1.25 - 1407032



Ferrule cleaner, 1.25 mm, for LC, approx. 500 cleaning cycles

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Tool set

## FO connectors - FOC-C-LCDU-GOF-SM-PC - 1411053

### Accessories

Tool set - FOC-TOOL-GOF KONF SET - 1411049



Tool set for GOF assembly

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### Necessary add-on products

Tool set - FOC-TOOL-GOF KONF SET - 1411049



Tool set for GOF assembly