PHŒNIX CONTACT

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 µm, PC polishing, blue

Product Description

LC duplex connector, for wires 2.0 mm to 3.0 mm in diameter, single mode 9/125 µm, 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 µm
Ferrule diameter	1.25 mm

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Technical data

Mechanical characteristics

Insertion/withdrawal cycles	$\geq$ 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	$\leq$ 0.5 dB ((95%) according to IEC 61300-3-34)
	$\leq$ 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

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

ETIM

ETIM 5.0	EC001122

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Accessories

Accessories

Assembly tool

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

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

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

Necessary add-on products

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

Tool set for GOF assembly