

FOC-C-SCD-MM - FO connectors



1089518
<https://www.phoenixcontact.com/in/products/1089518>

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SC duplex multimode connector for wire or cable assembly



Product description

SC 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	1089518
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABN
Product key	ABNIAC
GTIN	4055626894379
Weight per piece (including packing)	13.4 g
Weight per piece (excluding packing)	13 g
Customs tariff number	85367000
Country of origin	DE

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Technical data

Product properties

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

Electrical properties

Attenuation	≥ 0.5 dB 900 μm (95%, <0.7 dB for cable connection)
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Connection data

Connection method	mechanical splice
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Dimensions

Mechanical characteristics

Ferrule diameter	2.50 mm
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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

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Transmission medium	FO
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Mechanical properties

Tensile strength short-term/long-term	50 N
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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)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	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
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Mounting

cable layer type	Indoors
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Classifications

ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	19170122

ETIM

ETIM 9.0	EC001122
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UNSPSC

UNSPSC 21.0	39121400
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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%

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Mandatory accessories

FOC-TOOL-SET-GOF - Tool set

1089515

<https://www.phoenixcontact.com/in/products/1089515>



Tool set for GOF assembly

Accessories

FOC-TOOL-FERRULECLEANER-1.25 - FO accessories

1407032

<https://www.phoenixcontact.com/in/products/1407032>



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

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FOC-OE-OE-GZ01/... - FO cable

1411561

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Fiber optic cable, multi-mode fiberglass 50/125 µm, OM2, length: various

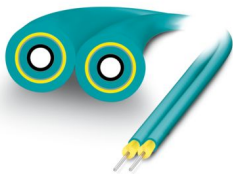


FOC-OE-OE-GZ02/... - FO cable

1411563

<https://www.phoenixcontact.com/in/products/1411563>

Fiber optic cable, multi-mode fiber glass 50/125 µm, OM3, length: various



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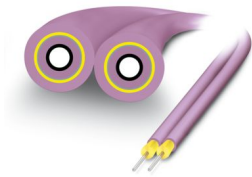


FOC-OE-OE-GZ03/... - FO cable

1411564

<https://www.phoenixcontact.com/in/products/1411564>

Fiber optic cable, multi-mode fiberglass 50/125 µm, OM4, length: various



FOC-TOOL-SET-GOF - Tool set

1089515

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Tool set for GOF assembly



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FOC-TOOL-FERRULECLEANER-1.25 - FO accessories

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



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