

# FOC-PT9:SC-OSA/2.5 - Fiber optic cable



1208114

<https://www.phoenixcontact.com/pc/products/1208114>

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Fiber optic cable, design: SC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, 100 Gbps, connection method: SC, cable outlet: straight, color: green



## Your advantages

- Optimum attenuation values with APC polishing
- Time saving and minimized risk of breakage with easy offsetting
- Easy assignment thanks to 12 different colors
- Future-proof with RoHS 2 conformity
- Fire protection class UL 94-V0

## Commercial data

Item number	1208114
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABNIDB
GTIN	4063151277222
Weight per piece (including packing)	62.2 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85447000
Country of origin	CN

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## Technical data

### Product properties

Type	SC
Product type	Fiber optic connector (cable side)
Number of positions	12
Number of slots	12
Cable outlet	straight

### Electrical properties

Attenuation	≤ 0.3 dB (1310 nm)
Transmission medium	FO
Transmission speed	100 GBit/s

### Dimensions

Width	9 mm
Height	8.3 mm
Length	2500 mm

### Mechanical characteristics

Ferrule diameter	2.50 mm
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### Material specifications

Color	green
Color of the housing part	green
Flammability rating according to UL 94	V0
Ferrule material	Zirconia ceramics
Material of grip body	green
Outer sheath, material	LSZH

### Connector

#### Connection 1

Type	Plug SC duplex
Degree of protection	IP20

#### Connection 2

Type	free cable end free cable end
Degree of protection	IP20

### Cable/line

Cable length	2.50 m
Cable type	Optical wire
Cable type	900 µm
Cable structure	semi-loose compact wires (STB)

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Outer sheath, material	LSZH
Single wire, material	LSZH
Individual wire diameter	900 µm
Tensile strength short-term/long-term	10 N
Whip length	2500 mm
Halogen-free	yes
Resistance to oil	no
Flame resistance	yes

## FO cable

Number of fibers	12
Fiber	9/125 µm
Fiber type	Singlemode
Attenuation	≤ 0.3 dB
Return Loss	≥ 60 dB
Transmission medium	Single-mode fiberglass

## Mechanical properties

Tensile strength short-term/long-term	10 N
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## Mechanical data

Insertion/withdrawal cycles	> 500
Smallest bending radius	30 mm

## Characteristics

Attenuation	≤ 0.3 dB (1310 nm)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	0 °C ... 50 °C
Resistance to oil	no

## Standards and regulations

Flame resistance	yes
Resistance to oil	no

## Mounting

Connection method	SC
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## Approvals

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**EAC**

Approval ID: B.01687

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## Classifications

### ECLASS

ECLASS-11.0	27061003
ECLASS-12.0	27061003
ECLASS-13.0	27061003

### ETIM

ETIM 8.0	EC002607
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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