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

1208114

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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

Technical data

Product properties

Product type	Fiber optic connector (cable side)
Type	SC
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

Connection data

Connection method	SC

Dimensions

Width	9 mm
Height	8.3 mm
Length	2500 mm

Mechanical characteristics

Ferrule diameter	2.50 mm

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)
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

Mechanical data

Insertion/withdrawal cycles	> 500
Smallest bending radius	30 mm

Characteristics

Attenuation	≤ 0.3 dB (1310 nm)

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002607

UNSPSC

UNSPSC 21.0	26121600

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%

Phoenix Contact 2024 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com