

# FOC-SC:AA-SC:AA-OS2:D01/10 - FO patch cable

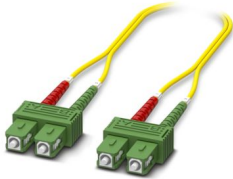


1146554

<https://www.phoenixcontact.com/us/products/1146554>

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.

Single-mode OS2 duplex jumper, SC-SC, APC polishing, length 10 m



## Your advantages

- Glass fiber optical, 8-shaped FO cable jumper
- Made of halogen-free flame-retardant material, RoHS compliant
- Excellent mechanical and optical properties
- Indoor use, suitable for FO distribution and termination devices
- All components satisfy UL 94, V0
- Satisfies industry standards for optical and mechanical properties
- Insertion loss  $\leq 0.5$  dB (varies depending on the condition)

## Commercial data

Item number	1146554
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIBC
GTIN	4063151137694
Weight per piece (including packing)	81 g
Weight per piece (excluding packing)	81 g
Customs tariff number	85447000
Country of origin	CN

1146554

<https://www.phoenixcontact.com/us/products/1146554>

## Technical data

### Product properties

Product type	Data cable preassembled
Number of positions	2
Connection profile	SC/APC-SC/APC connector

### Electrical properties

Transmission medium	Single-mode fiberglass
Transmission speed	100 Gbps
Transmission speed	100 GBit/s

### Mechanical properties

Tensile strength short-term/long-term	70 N
---------------------------------------	------

#### Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

### Material specifications

Flammability rating according to UL 94	V0
Outer sheath, material	LSZH

### Dimensions

#### External dimensions

External diameter min.	2 mm
External diameter max.	4 mm

### Connector

#### Connection 2

Type	Plug SC duplex
------	----------------

### Cable/line

Cable length	10.00 m
Cable weight	5.30 kg/km
Cable type	Single-mode fiberglass
Cable type	Zip cord
Cable abbreviation	I-V(ZN)H
Cable structure	Figure 8 cable
External cable diameter	2.00 mm
Outer sheath, material	LSZH
External sheath, color	yellow
Single wire, number of litz wires	2
Individual wire diameter	900 µm

1146554

<https://www.phoenixcontact.com/us/products/1146554>

Bending radius, long-term	50 mm
Bending radius short term/long term	30 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	16 mm
Tensile strength short-term/long-term	70 N
Lateral pressure, long-term	100.00 N/cm
Halogen-free	complying with IEC 60754-1/2
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes
Concentration of fumes	in accordance with IEC 61034
Flame resistance	yes
Behavior in fire	No corrosive or toxic fumes

## FO cable

Number of fibers	2
Fiber	Fiberglass
Fiber type	Single mode fiberglass, 9/125 µm
Cable, attenuation	0.5 dB/km (1310 nm), 0.4 dB/km (1550 nm)
Attenuation	≤ 0.5 dB/km (1310 nm)
Return Loss	≥ 50 dB
Transmission medium	Single-mode fiberglass

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Ambient temperature (assembly)	-20 °C ... 60 °C
Ambient temperature (installation)	-20 °C ... 60 °C
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes

## Standards and regulations

Behavior in fire	No corrosive or toxic fumes
Flame resistance	yes
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes
Concentration of fumes	in accordance with IEC 61034
Standards/specifications	IEC 61300-3-4 RL: IEC 61300-3-6

1146554

<https://www.phoenixcontact.com/us/products/1146554>

## Classifications

### ECLASS

ECLASS-13.0	27061003
ECLASS-15.0	27061003

### ETIM

ETIM 10.0	EC002700
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

1146554

<https://www.phoenixcontact.com/us/products/1146554>

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	9.626 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)