

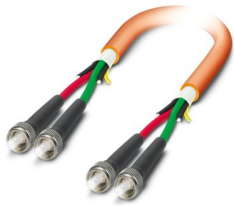
FOC-FS:A-FS:A-HB03/1,5 - FO patch cable



1012910

<https://www.phoenixcontact.com/us/products/1012910>

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Robust PCF installation cable for indoor use with highly tear-proof aramid strain relief elements. Individual elements made from highly flexible FRNC material. The cable is halogen-free, ozone and UV-resistant with robust polyurethane (PUR) outer sheath, assembled with 2x F-SMA to 2x F-SMA, length: 1.5 m

Your advantages

- High degree of reliability, thanks to the exceptional quality
- Reliable even in EMC-sensitive applications
- Fast data transmission for demanding applications
- Universal installation cables for fixed installation indoors and outdoors (direct underground installation not permitted)
- Highly tear-resistant aramid strain relief elements
- Halogen-free, ozone, and UV resistant
- Robust polyurethane (PUR) outer sheath

Commercial data

Item number	1012910
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABNIBB
GTIN	4055626495279
Weight per piece (including packing)	128.5 g
Weight per piece (excluding packing)	96.56 g
Country of origin	DE

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Technical data

Product properties

Product type	Data cable preassembled
Application	Standard
Number of positions	2
Number of slots	2

Electrical properties

Attenuation	≤ 1.5 dB (at 650 nm)
	≤ 1.5 dB (with 850 nm)
Transmission medium	PCF fiber
Transmission speed	100 Mbps
Transmission speed	100 Mbps

Mechanical properties

Mechanical data

Smallest bending radius	=> 150 mm with outer sheath
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Material specifications

Color (Male connector)	black (RAL 9005)
Color (Cable)	orange (RAL 2003)
Outer sheath, material	PUR

Dimensions

External dimensions

External diameter min.	7.5 mm
External diameter max.	8.5 mm

Mechanical characteristics

Ferrule diameter	3.17 mm
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Connection data

Connection technology

Connection method	F-SMA
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Conductor connection

Connection method	F-SMA
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Connector

Connection 1

Type	Plug straight FSMA
Degree of protection	IP20

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	IP20
Connection 2	
Type	Plug straight FSMA
Degree of protection	IP20

Cable/line

Cable length	1.50 m
Cable weight	54 kg/km
External cable diameter	8 mm
Outer sheath, material	PUR
Single wire, number of litz wires	2
Single wire, material	FRNC material
Individual wire diameter	2.9 mm ±0.1 mm
Numerical aperture	0.37
Tensile strength	1000 N (Short-term) 200 N (permanent)
Impact strength	2 Nm / 10 x
Bending radius, single element	30 mm (Short-term) 30 mm (Short-term)
Bending radius, entire cable	60 mm (Short-term) 60 mm (Short-term)
660 nm	10 dB/km
850 nm	8 dB/km
Halogen-free	According to IEC 60754-2
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Behavior in fire	1.72 MJ/m (0.48 kWh/m)

FO cable

Number of fibers	2
Fiber	200/230 µm
Fiber type	PCF
Cable, attenuation	< 1,0 dB
Attenuation	10 dB/km
Transmission medium	PCF fiber

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Impact strength	2 Nm / 10 x
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 55 °C
Resistance to UV radiation	500 hours, in accordance with DIN EN ISO 4892-2
Resistance to oil	according to IRM 902, 72 h at 100 °C

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Standards and regulations

Flame resistance	yes
Resistance to oil	according to IRM 902, 72 h at 100 °C

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Classifications

ECLASS

ECLASS-13.0	27061003
ECLASS-15.0	27061003

ETIM

ETIM 10.0	EC002700
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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
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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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EF3.1 Climate Change

CO2e kg	27.419 kg CO2e
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com