

FL FOC PN-B-980/1000 - FO cable



2313397

<https://www.phoenixcontact.com/nl/products/2313397>

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PROFINET polymer fiber cable, duplex 980 μm /1000 μm , heavy-weight design, for installation in stationary systems and machines, by the meter, without male connector

Your advantages

- Universal installation cable for installation in stationary systems and machines
- For indoors
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Rugged polyurethane (PUR) outer sheath
- PROFINET type B
- Halogen-free, ozone, and UV resistant

Commercial data

Item number	2313397
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DNC231
Product key	DNC231
GTIN	4046356418515
Weight per piece (including packing)	42,74 g
Weight per piece (excluding packing)	42 g
Customs tariff number	85447000
Country of origin	DE

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Technical data

Notes

Note on application

Note on application

Only for industrial use

Product properties

Number of positions

2

Electrical properties

Transmission medium

Polymer fiber

Interfaces

Signal

Ethernet

PROFINET

PROFIBUS

Modbus

Dimensions

External dimensions

External diameter min.

7.5 mm

External diameter max.

8.5 mm

Material specifications

Material (Separating film)

Aluminum

Outer sheath, material

PUR

Cable/line

Cable length

Free input (0.4 ... 100 m)

Cable weight

49 kg/km

Cable abbreviation

J-V11Y 4Y2P 980/1000 160A 10

External cable diameter

8 mm

Outer sheath, material

PUR

External sheath, color

green

External sheath, strain relief elements

Non-metallic, aramide fiber

Single wire, material

PA

Individual wire diameter

2.2 mm ±0.07 mm

Single wire, color

black and orange with arrow labeling

Bending radius, single element

30 mm (Short-term)

30 mm (Short-term)

Bending radius, entire cable

65 mm (Short-term)

65 mm (Short-term)

30 mm (Short-term)

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Bending radius	30 mm (permanent)
	65 mm (Short-term)
	65 mm (permanent)
Tensile strength short-term/long-term	1000 N / 100 N
Lateral pressure short term	200 N/cm
Lateral pressure, long-term	20 N/cm
Impact strength	2 Nm / 10 x
660 nm	230 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	1.62 MJ/m (0.39 kWh/m)

FO cable

Fiber	Polymer fiber, 980/1000 µm
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Mechanical properties

Tensile strength short-term/long-term	1000 N / 100 N
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Environmental and real-life conditions

Ambient conditions

Impact strength	2 Nm / 10 x
Ambient temperature (operation)	-20 °C ... 70 °C
	-20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (installation)	5 °C ... 50 °C
Altitude	5000 m
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

Standards and regulations

Behavior in fire	1.62 MJ/m (0.39 kWh/m)
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

Mounting

cable layer type	Indoors
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Classifications

ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

ETIM

ETIM 10.0	EC000034
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UNSPSC

UNSPSC 21.0	26121600
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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	0,133 kg CO2e
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