

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



2313397

<https://www.phoenixcontact.com/us/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



# Ethernet

## Commercial data

Item number	2313397
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN35
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
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### Product properties

Product type	Data cable by the meter
Number of positions	2

### Electrical properties

Transmission medium	Polymer fiber
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### 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)

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Bending radius	30 mm (Short-term)
	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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