

# FL FOC PN-C-FLEX-980/1000 - FO cable



2313407

<https://www.phoenixcontact.com/us/products/2313407>

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.



PROFINET polymer fiber cable, duplex, 980/1000  $\mu\text{m}$ , heavy-weight highly flexible design, for flexible cable conduit applications, by the meter, without connector

## Your advantages

- Highly flexible round cable for use in trailing cables or drag chains
- For indoors
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Rugged polyurethane (PUR) outer sheath
- Designed for an alternating bending frequency of up to 5,000,000 cycles
- PROFINET type C
- Halogen-free, ozone, and UV resistant



# Ethernet

## Commercial data

Item number	2313407
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC231
GTIN	4046356418508
Weight per piece (including packing)	51.74 g
Weight per piece (excluding packing)	51 g
Customs tariff number	85447000

# FL FOC PN-C-FLEX-980/1000 - FO cable



2313407

<https://www.phoenixcontact.com/us/products/2313407>

Country of origin	DE
-------------------	----

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
---------------------	-------------------------

### Product properties

Product type	Data cable by the meter
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

Outer sheath, material	PUR
------------------------	-----

### Cable/line

Cable length	Free input (0.4 ... 100 m)
Cable weight	51 kg/km
Cable abbreviation	J-V11Y 4Y2P 980/1000 180A 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	50 mm (Short-term)
	50 mm (Short-term)
	30 mm (Short-term)

# FL FOC PN-C-FLEX-980/1000 - FO cable



2313407

<https://www.phoenixcontact.com/us/products/2313407>

Bending radius	30 mm (permanent)
	50 mm (Short-term)
	50 mm (permanent)
Duty cycle testing	5 000 000 cycles
Tensile strength short-term/long-term	200 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	275 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	1.68 MJ/m (0.40 kWh/m)

## FO cable

Fiber	Polymer fiber, 980/1000 µm
-------	----------------------------

## Mechanical properties

Duty cycle testing	5 000 000 cycles
Tensile strength short-term/long-term	200 N / 100 N

## 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	1.68 MJ/m (0.40 kWh/m)
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

### Testing

Duty cycle testing	5 000 000 cycles
--------------------	------------------

## Mounting

cable layer type	Flexible cable conduit application
------------------	------------------------------------

# FL FOC PN-C-FLEX-980/1000 - FO cable



2313407

<https://www.phoenixcontact.com/us/products/2313407>

## Classifications

### ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

### ETIM

ETIM 10.0	EC000034
-----------	----------

### UNSPSC

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

# FL FOC PN-C-FLEX-980/1000 - FO cable



2313407

<https://www.phoenixcontact.com/us/products/2313407>

## 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	0.133 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)