



**Automatización Eléctrica**  
Especialistas en Automatización

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## FO cable - FL FOC PN-C-FLEX-980/1000 - 2313407

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PROFINET polymer fiber cable, duplex, 980/1000 µm, heavy-weight highly flexible design, for flexible cable conduit applications, by the meter, without connector

### Why buy this product

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



### Key Commercial Data

Packing unit	1 M
GTIN	 4 046356 418508

### Technical data

#### Mechanical characteristics

Number of positions	2
Fiber	Polymer fiber, 980/1000 µm
Cable diameter	8 mm
Duty cycle testing	5 000 000 cycles

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
	-20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m

#### Material data

Outer sheath, material	PUR
External sheath, color	green

# FO cable - FL FOC PN-C-FLEX-980/1000 - 2313407

## Technical data

### Electrical characteristics

Number of positions	2
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### Line characteristics

Cable abbreviation	J-V11Y 4Y2P 980/1000 180A 10
Length of cable	Free input (0.4 ... 100 m)
External cable diameter	8 mm
Wire colors	Black and orange with arrow labeling
External sheath, color	green
Outer sheath, material	PUR
Strain relief elements, external sheath	Non-metallic, aramide fiber
Cable weight	51 kg/km
Bending radius, single element	30 mm (Short-term) 30 mm (Permanent)
Bending radius, entire cable	50 mm (Short-term) 50 mm (Permanent)
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
cable layer type	Flexible cable conduit application
Halogen-free	According to IEC 60754-2
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Fiber	Polymer fiber, 980/1000 µm

### Attenuation

660 nm	275 dB/km
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### Standards and Regulations

Duty cycle testing	5 000 000 cycles
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Impact strength	2 Nm / 10 x
Halogen-free	According to IEC 60754-2
Behavior in fire	1.68 MJ/m (0.40 kWh/m)

### Classifications

#### eCl@ss

eCl@ss 4.0	27061001
eCl@ss 4.1	27061001
eCl@ss 5.0	27061803
eCl@ss 5.1	27061803
eCl@ss 6.0	27061803

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### Classifications

#### eCl@ss

eCl@ss 7.0	27061803
eCl@ss 8.0	27061803

#### ETIM

ETIM 2.0	EC000034
ETIM 3.0	EC000034
ETIM 4.0	EC000034
ETIM 5.0	EC000034

#### UNSPSC

UNSPSC 6.01	26121607
UNSPSC 7.0901	26121607
UNSPSC 11	26121607
UNSPSC 12.01	26121607
UNSPSC 13.2	26121607

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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Product	Code	Reference	Product link
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