

FO cable - FL FOC PN-C-FLEX-980/1000 - 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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




PROFINET polymer fiber cable, duplex, 980/1000 µm, 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



Key Commercial Data

Packing unit	1 M
GTIN	 4 046356 418508
GTIN	4046356418508
Weight per Piece (excluding packing)	51.740 g
Custom tariff number	85447000
Country of origin	Germany

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
---------------------------------	------------------

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

Technical data

Ambient conditions

	-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
Fiber	Polymer fiber, 980/1000 µm

Electrical characteristics

Number of positions	2
---------------------	---

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
--------	-----------

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)

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

Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 4.0	27061001
eCl@ss 4.1	27061001
eCl@ss 5.0	27061803
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061803
eCl@ss 8.0	27061803
eCl@ss 9.0	27061803

ETIM

ETIM 2.0	EC000034
ETIM 3.0	EC000034
ETIM 4.0	EC000034
ETIM 5.0	EC000034
ETIM 6.0	EC000034

UNSPSC

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

Accessories

Accessories

Assembly tool

Assembly tool - PSM-SET-FSMA-POLISH - 2799348



Polymer fiber polishing set, for F-SMA quick mounting connectors

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

Accessories

Assembly tool - PSM-POF-KONFTOOL - 2744131



Polymer fiber DIY case, consisting of: Stripping knife, stripping pliers, polishing wheels for F-SMA and SC-RJ quick mounting connectors, polishing pad and emery paper

Stripping tool - PSM-FO-STRIP - 2744199



Stripping pliers for transmitting individual elements of the fiber optic cable. Especially suited for all polymer and PCF cables. Special mechanics and precise blade form avoid damage to the fiber optic fibers. Dimensions: (L x W x H) 160 x 130 x 36 mm.

Connector set

FO connectors - PSM-SET-SCRJ-DUP/2-POF - 2708656



SC-RJ connector set for polymer fiber, for self assembly, consisting of 2 duplex quick mounting connectors with bending protection

FO connectors - PSM-SET-FSMA/4-KT - 2799720



F-SMA plug set for polymer fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve

Data cable preassembled

FO patch cable - FOC-PN-C-1003/IP20/¿ - 2901552



Highly flexible POF PROFINET cable (IP20 heads only) for use in drag chains. Individual elements made from extremely wear-resistant polyamide (PE). The cable is halogen-free, ozone and UV resistant, and has a rugged polyurethane (PUR) outer sheath.

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

Accessories

FO patch cable - FOC-PN-C-1003/... - 1402175



Highly flexible POF PROFINET cable for use in drag chains for an alternating bending frequency of up to 5 million cycles. Individual elements made of extremely wear-resistant polyamide (PE). The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

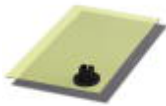
Stripping tool

Stripping tool - WIREFOX-D 16 - 1212173



Stripping tool, for stripping lines (specially for fiber optics lines) of \varnothing 4 - 16 mm

FO accessories - VS-SCRJ-POF-POLISH - 1656673



Refilling set for VS-SC-RJ-POF-KONFTOOL-POLISH, consisting of two polishing discs and a polisher