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

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 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

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

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)

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

Mechanical properties

Tensile strength short-term/long-term	1000 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	1.62 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

Classifications

ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

ETIM

ETIM 10.0	EC000034

UNSPSC

UNSPSC 21.0	26121600

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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com