

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

Product Features

- 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
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Ethernet



Key commercial data

Packing unit	1 pc
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
	-20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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Technical data

Ambient conditions

Altitude	5000 m
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Material data

Outer sheath, material	PUR
External sheath, color	Green

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

Ambient conditions

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Attenuation

660 nm	275 dB/km
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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
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