

FO cable - PSM-LWL-RUGGED-FLEX-980/1000 - 2744335

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>)



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

Your advantages

- ✓ Highly flexible round cable for use in trailing cables or drag chains
- ✓ 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
- ✓ Halogen-free, ozone, and UV resistant

RoHS

Key Commercial Data

Packing unit	1 M
GTIN	 4 017918 170837
GTIN	4017918170837

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
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m

Material data

Outer sheath, material	PUR
External sheath, color	red

FO cable - PSM-LWL-RUGGED-FLEX-980/1000 - 2744335

Technical data

Material data

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

Electrical characteristics

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

Line characteristics

Cable type	Polymer fiber
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/orange
External sheath, color	red
Outer sheath, material	PUR
Strain relief elements, external sheath	Non-metallic, aramide fiber
Cable weight	54 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	300 N/cm
Lateral pressure, long-term	20 N/cm
Impact strength	2 Nm / 10 x
cable layer type	Indoors
Halogen-free	According to IEC 60754-2
Fiber	Polymer fiber, 980/1000 µm

Attenuation

660 nm	275 dB/km
--------	-----------

Standards and Regulations

Duty cycle testing	5 000 000 cycles
Impact strength	2 Nm / 10 x
Halogen-free	According to IEC 60754-2

Environmental Product Compliance

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

Approvals

Approvals

FO cable - PSM-LWL-RUGGED-FLEX-980/1000 - 2744335

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
-----	---	---------------

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

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