

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



2744335

<https://www.phoenixcontact.com/us/products/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 documentation. Our general terms of use for downloads are valid.



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
- Reinforced polyurethane (PUR) outer sheath
- Designed for an alternating bending frequency of up to 5,000,000 cycles
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Halogen-free, ozone, and UV resistant

Commercial data

Item number	2744335
Packing unit	1 m
Minimum order quantity	1 m
Sales key	DN06
Product key	DNC231
GTIN	4017918170837
Weight per piece (including packing)	52.6 g
Weight per piece (excluding packing)	52.6 g
Customs tariff number	85447000
Country of origin	DE

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



2744335

<https://www.phoenixcontact.com/us/products/2744335>

Technical data

Product properties

Product type	Data cable by the meter
Number of positions	2

Electrical properties

Transmission medium	Polymer fiber
---------------------	---------------

Interfaces

Signal	Ethernet
--------	----------

Dimensions

External dimensions

External diameter min.	7.5 mm
External diameter max.	8.5 mm

Material specifications

Color (Outer sheath)	red (RAL 3001)
Color (Single-core wire)	black (RAL 9005)
Outer sheath, material	PUR

Cable/line

Cable length	Free input (0.4 ... 100 m)
Cable weight	54 kg/km
Cable abbreviation	J-V11Y 4Y2P 980/1000 180A 10
External cable diameter	8 mm
Outer sheath, material	PUR
External sheath, strain relief elements	Non-metallic, aramide fiber
Single wire, material	PA
Individual wire diameter	2.2 mm ±0.07 mm
Bending radius, single element	30 mm (Short-term)
	30 mm (Short-term)
Bending radius, entire cable	50 mm (Short-term)
	50 mm (Short-term)
Bending radius	30 mm (Short-term)
	30 mm (permanent)
	50 mm (Short-term)
	50 mm (permanent)
Duty cycle testing	5 000 000 cycles
Tensile strength short-term/long-term	200 N / 100 N
Lateral pressure short term	300 N/cm
Lateral pressure, long-term	20 N/cm

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



2744335

<https://www.phoenixcontact.com/us/products/2744335>

Impact strength	2 Nm / 10 x
660 nm	275 dB/km
Halogen-free	According to IEC 60754-2

FO cable

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

Mechanical properties

Duty cycle testing	5 000 000 cycles
Tensile strength short-term/long-term	200 N / 100 N

Environmental and real-life conditions

Ambient conditions

Impact strength	2 Nm / 10 x
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (installation)	-5 °C ... 50 °C
Altitude	5000 m

Standards and regulations

Testing

Duty cycle testing	5 000 000 cycles
--------------------	------------------

Mounting

cable layer type	Indoors
------------------	---------

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



2744335

<https://www.phoenixcontact.com/us/products/2744335>

Classifications

ECLASS

ECLASS-13.0

27061803

ETIM

ETIM 9.0

EC000034

UNSPSC

UNSPSC 21.0

26121600

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



2744335

<https://www.phoenixcontact.com/us/products/2744335>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

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