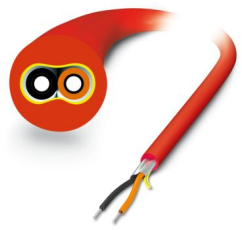
PSM-LWL-KDHEAVY-980/1000 - FO cable

2744319

https://www.phoenixcontact.com/us/products/2744319

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 µm/1000 µm, medium-weight version 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
- Reinforced polyurethane (PUR) outer sheath
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Halogen-free, ozone, and UV resistant

Commercial data

Item number	2744319
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC231
GTIN	4017918170851
Weight per piece (including packing)	32.55 g
Weight per piece (excluding packing)	32.55 g
Customs tariff number	85447000
Country of origin	DE

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.	5.5 mm
External diameter max.	6.5 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	33 kg/km
Cable abbreviation	J-V11Y 4Y2P 980/1000 160A 10
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	30 mm (Short-term)
	30 mm (Short-term)
Bending radius	30 mm (Short-term)
	30 mm (permanent)
	30 mm (Short-term)
	30 mm (permanent)
Tensile strength short-term/long-term	600 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

FO cable

Fiber	Polymer fiber, 980/1000 µm

Mechanical properties

Tensile strength short-term/long-term	600 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

Mounting

cable layer type	Indoors

Classifications

ECLASS

ECLASS-13.0	27061803

ETIM

ETIM 9.0	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%

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