

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



2744322

<https://www.phoenixcontact.com/us/products/2744322>

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Polymer fiber cable, duplex 980µm/1000µm, heavy-weight version for installation in stationary systems and machines, by the meter without male connector

Your advantages

- Robust installation cable for installation in stationary systems and machines
- For indoors
- Designed to meet increased requirements in terms of tensile and lateral loads
- 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	2744322
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC231
GTIN	4017918170844
Weight per piece (including packing)	51.74 g
Weight per piece (excluding packing)	51.74 g
Customs tariff number	85447000
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Data cable by the meter
Number of positions	2

Electrical properties

Transmission medium	Polymer fiber
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Interfaces

Signal	Ethernet
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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)
Material (Separating film)	Aluminum
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 160A 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	65 mm (Short-term)
	65 mm (Short-term)
Bending radius	30 mm (Short-term)
	30 mm (permanent)
	65 mm (Short-term)

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	65 mm (permanent)
Tensile strength short-term/long-term	1000 N / 100 N
Lateral pressure short term	300 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
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Mechanical properties

Tensile strength short-term/long-term	1000 N / 100 N
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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
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Classifications

ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

ETIM

ETIM 10.0	EC000034
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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EF3.1 Climate Change

CO2e kg	0.214 kg CO2e
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