

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



2744335

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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

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Technical data

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)
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

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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
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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
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Mounting

cable layer type	Indoors
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Classifications

ECLASS

ECLASS-13.0

27061803

ETIM

ETIM 9.0

EC000034

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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