

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

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Polymer fiber cable, duplex 980/1000  $\mu\text{m}$ , heavy-weight, highly flexible version for flexible conduit applications, by the meter, without connector

### Product Features

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

### Key Commercial Data

Packing unit	1 M
Weight per Piece (excluding packing)	0.01 g
Custom tariff number	85447000
Country of origin	Germany

### Technical data

#### Mechanical characteristics

Number of positions	2
Fiber	Polymer fiber, 980/1000 $\mu\text{m}$
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

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## Technical data

### Electrical characteristics

Number of positions	2
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### 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
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### Standards and Regulations

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

### Classifications

#### eCl@ss

eCl@ss 4.0	27061001
eCl@ss 4.1	27061001
eCl@ss 5.0	27061803
eCl@ss 5.1	27061803

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## Classifications

### eCl@ss

eCl@ss 6.0	27061803
eCl@ss 7.0	27061803
eCl@ss 8.0	27061803
eCl@ss 9.0	27061803

### ETIM

ETIM 2.0	EC000034
ETIM 3.0	EC000034
ETIM 4.0	EC000034
ETIM 5.0	EC000034

### UNSPSC

UNSPSC 6.01	26121607
UNSPSC 7.0901	26121607
UNSPSC 11	26121607
UNSPSC 12.01	26121607
UNSPSC 13.2	26121607

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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### Approval details

EAC
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