


**PSM-LWL-RUGGED-FLEX-980/1000**

Order No.: 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

Commercial data	
GTIN (EAN)	 4 017918 170837
Note	Made-to-order
sales group	H628
Pack	1 m
Customs tariff	85447000
Catalog page information	Page 518 (IF-2011)

## Product notes

WEEE/RoHS-compliant since:  
10/29/2007

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Technical data	
<b>Mechanical characteristics</b>	
Fiber	Polymer fiber, 980/1000 µm
Cable diameter	8 mm
Duty cycle testing	5 000 000 cycles
Ambient temperature (operation)	-20 °C ... 70 °C

Ambient temperature (storage/transport)	-40 °C ... 80 °C
<b>Material data</b>	
Outer sheath, material	PUR
External sheath, color	red
<b>Optical characteristics</b>	
Wavelength	660 nm
<b>Line characteristics</b>	
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
Cable, attenuation	275 dB/km (at 660 nm)
Outer sheath, material	PUR
Strain relief elements, external sheath	Non-metallic, aramide fiber
Cable weight	54 kg/km
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
<b>Temperature data</b>	
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

<b>Accessories</b>		
Item	Designation	Description
<b>Cable/conductor</b>		
1402187	FOC-RUGGED-FLEX-1013/...	Highly flexible POF round cable for use in drag chains for an alternating bending frequency of up to 5 million cycles with individual elements made of highly wear-resistant polyamide (PE). The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.
2901549	FOC-RUGGED-FLEX-1013/IP20/...	Highly flexible POF round cable (IP20 heads only) for use in drag chains for an alternating bending frequency of up to 5 million cycles with individual elements made of highly wear-resistant polyamide (PE). The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.
<b>Plug/Adapter</b>		
2799720	PSM-SET-FSMA/4-KT	F-SMA plug set for polymer fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2708656	PSM-SET-SCRJ-DUP/2-POF	SCRJ connector set for polymer fiber, for self assembly, consisting of 2 duplex quick mounting connectors with bending protection
<b>Tools</b>		
2744131	PSM-POF-KONFTOOL	Polymer fiber DIY case, consisting of: Stripping knife, stripping pliers, polishing wheels for F-SMA and SCRJ quick mounting connectors, polishing pad and emery paper
2799348	PSM-SET-FSMA-POLISH	Polymer fiber polishing set, for F-SMA quick mounting connectors
1656673	VS-SCRJ-POF-POLISH	Refilling set for VS-SCRJ-POF-KONFTOOL-POLISH, consisting of two polishing discs and a polisher
1212173	WIREFOX-D 16	Stripping tool, for stripping lines (specially for fiber optics lines) of Ø 4 - 16 mm

**Address**

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