

PSM-LWL/KDL - FO cable



2744953

<https://www.phoenixcontact.com/us/products/2744953>

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Polymer fiber cable, duplex 980/1000 μm , light-weight version for indoor installation, by the meter, with connector

The figure shows version PSM-LWL-KDL-980/1000

Commercial data

Item number	2744953
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DNC241
Weight per piece (including packing)	68 g
Weight per piece (excluding packing)	68 g
Customs tariff number	85447000
Country of origin	DE

Technical data

Product properties

Product type	Data cable by the meter
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Electrical properties

Transmission medium	FO
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Interfaces

Signal	PROFIBUS
	Modbus

Dimensions

External dimensions

External diameter min.	2.2 mm
External diameter max.	4.4 mm

Material specifications

Color (Single-core wire)	black (RAL 9005)
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Cable/line

Cable length	variable
Cable weight	7.8 kg/km
Cable type	Polymer fiber
Cable abbreviation	CA-1D2Y2P 980/1000 160A 10
Single wire, number of litz wires	2
Single wire, material	PE
Individual wire diameter	2.2 mm ±0.07 mm
Bending radius, long-term	30 mm
Bending radius short term/long term	20 mm
Tensile strength short-term/long-term	40 N / 10 N
Lateral pressure short term	60 N/cm
Lateral pressure, long-term	10 N/cm

FO cable

Fiber	980/1000 µm
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Mechanical properties

Tensile strength short-term/long-term	40 N / 10 N
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
Altitude	5000 m

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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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