

PSM-LWL-HCS-RUGGED-200/230 - FO cable



2799885

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PCF cable, duplex 200 μm /230 μm , by the meter without male connector, for installation in stationary systems and machines

Your advantages

- Robust installation cable for installation in stationary systems and machines
- For indoors
- 2.9 mm individual wires made from highly flexible FRNC material
- Highly tear-resistant aramid strain relief elements
- Rugged polyurethane (PUR) outer sheath
- Halogen-free, ozone, and UV resistant

Commercial data

Item number	2799885
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC232
GTIN	4017918074159
Weight per piece (including packing)	47 g
Weight per piece (excluding packing)	47 g
Customs tariff number	85447000
Country of origin	DE

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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
Tensile strength GRP	1000 N (Short-term)
	200 N (permanent)

Electrical properties

Transmission medium	PCF fiber
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Interfaces

Signal	INTERBUS
	PROFIBUS
	Point-to-point
	Ethernet
	RS-485

Dimensions

External dimensions

External diameter min.	7.5 mm
External diameter max.	8.5 mm

Material specifications

Color (Outer sheath)	orange (RAL 2003)
Color (Single-core wire)	red (RAL 3001)
Outer sheath, material	PUR

Cable/line

Cable length	Free input (1.0 ... 2000 m)
Cable weight	54 kg/km
Cable abbreviation	I-VH11Y 2K200/230 HCS
External cable diameter	8 mm
Outer sheath, material	PUR
Single wire, number of litz wires	2
Single wire, material	FRNC material
Individual wire diameter	2.9 mm $\pm$ 0.1 mm
Numerical aperture	0.37
Bending radius, single element	30 mm (Short-term)
	30 mm (Short-term)

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Bending radius, entire cable	60 mm (Short-term)
	60 mm (Short-term)
Bending radius	30 mm (Short-term)
	50 mm (permanent)
	60 mm (Short-term)
	60 mm (permanent)
Tensile strength	1000 N (Short-term)
	200 N (permanent)
Impact strength	2 Nm / 10 x
660 nm	10 dB/km
850 nm	8 dB/km
Halogen-free	According to IEC 60754-2
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Behavior in fire	1.72 MJ/m (0.48 kWh/m)

FO cable

Fiber	PCF, 200/230 µm
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Environmental and real-life conditions

Ambient conditions

Impact strength	2 Nm / 10 x
Ambient temperature (operation)	-40 °C ... 70 °C
	-20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (installation)	-20 °C ... 60 °C
Altitude	5000 m
Resistance to UV radiation	500 hours, in accordance with DIN EN ISO 4892-2
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

Standards and regulations

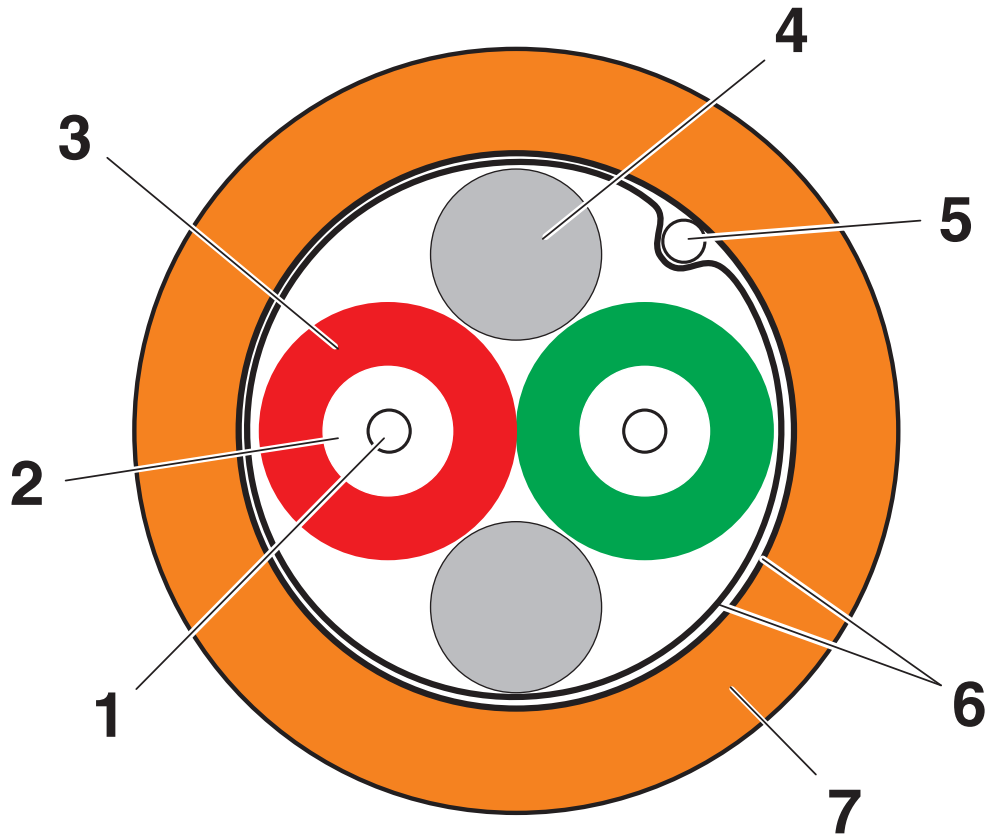
Behavior in fire	1.72 MJ/m (0.48 kWh/m)
Free from substances that could impair the application of coating	VDMA 24364:2018-05
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1

Mounting

cable layer type	Indoors
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Drawings

Schematic diagram



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Classifications

ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

ETIM

ETIM 9.0	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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com