

# PSM-LWL-HCSO-200/230 - FO cable



2799445

<https://www.phoenixcontact.com/us/products/2799445>

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PCF cable, duplex 200/230  $\mu\text{m}$ , by the meter, without connector, for outdoor installation

## Your advantages

- Rugged round cable for outdoor installation
- Extremely rugged polyethylene outer sheath
- Watertight lengthwise
- Integrated vapor barrier and rodent-proof scrim
- 2.9 mm individual wires made from highly flexible FRNC material
- Halogen-free, ozone, and UV resistant

## Commercial data

Item number	2799445
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC232
GTIN	4017918138813
Weight per piece (including packing)	91.75 g
Weight per piece (excluding packing)	27.5 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
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### 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.	10 mm
External diameter max.	11 mm

### Material specifications

Color (Outer sheath)	black (RAL 9005)
Color (Single-core wire)	red (RAL 3001)
	green (RAL 6021)
Outer sheath, material	PE

### Cable/line

Cable length	Free entry (1.0 ... 1000.0 m)
Cable weight	97 kg/km
Cable abbreviation	AT-VQHB2Y 2K200/230 10A17+8B20
External cable diameter	10.5 mm
Outer sheath, material	PE
External sheath, strain relief elements	Non-metallic, aramide fiber
Outer sheath, rodent protection	Glass fibers
External sheath, lengthwise water-proofing??	IEC 60794-1-2
Single wire, number of litz wires	2
Single wire, material	FRNC material
Individual wire diameter	2.9 mm ±0.1 mm
Bending radius, single element	30 mm (Short-term)

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	30 mm (Short-term)
Bending radius, entire cable	150 mm (Short-term)
	150 mm (Short-term)
Bending radius	30 mm (Short-term)
	50 mm (permanent)
	150 mm (Short-term)
	200 mm (permanent)
Tensile strength short-term/long-term	1500 N / 200 N
Lateral pressure short term	500 N/cm
Lateral pressure, long-term	300 N/cm
Impact strength	1,5 Nm / 3 x
660 nm	10 dB/km
850 nm	8 dB/km
Halogen-free	According to IEC 60754-2

## FO cable

Fiber	PCF, 200/230 µm
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## Mechanical properties

Tensile strength short-term/long-term	1500 N / 200 N
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## Environmental and real-life conditions

### Ambient conditions

Impact strength	1,5 Nm / 3 x
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Ambient temperature (installation)	-5 °C ... 50 °C
Altitude	5000 m

## Mounting

cable layer type	Outdoors
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## Classifications

### ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

### ETIM

ETIM 10.0	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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### EF3.1 Climate Change

CO2e kg	0.214 kg CO2e
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