

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



2799445

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

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PCF cable, duplex 200/230 μ 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

Product properties

Product type

Data cable by the meter

Electrical properties

Transmission medium

PCF fiber

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)

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 \pm 0.1 mm

Bending radius, single element

30 mm (Short-term)

30 mm (Short-term)

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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 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
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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