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

2799445

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PCF cable, duplex 200/230 µm, 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
Catalog page	Page 370 (C-8-2015)
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

Technical data

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 ±0.1 mm
Bending radius, single element	30 mm (Short-term)
	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

Mechanical properties

Tensile strength short-term/long-term	1500 N / 200 N

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

Classifications

ECLASS

ECLASS-11.0	27061803
ECLASS-12.0	27061803
ECLASS-13.0	27061803

ETIM

ETIM 9.0	EC000034

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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