PSM-LWL-GDO- 50/125 - FO cable

2799432

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Fiberglass cable, duplex 50/125 µm, by the meter, without connector, for outdoor installation

Your advantages

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

Commercial data

Item number	2799432
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC233
GTIN	4017918138820
Weight per piece (including packing)	107.89 g
Weight per piece (excluding packing)	107.89 g
Customs tariff number	85447000
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Data cable by the meter
Number of positions	2

Electrical properties

Transmission medium	Multi-mode fiberglass

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-VQH(BN)2Y 2G50/125 2,5B600+0,7F1200
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, 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 / 500 N
Lateral pressure short term	500 N/cm
Lateral pressure, long-term	300 N/cm
Impact strength	1,5 Nm / 3 x
850 nm	2.5 dB/km
1300 nm	0.7 dB/km
Halogen-free	According to IEC 60754-2

FO cable

Fiber	Fiberglass, 50/125 µm

Mechanical properties

Tensile strength short-term/long-term	1500 N / 500 N

Environmental and real-life conditions

Ambient conditions

Impact strength	1,5 Nm / 3 x
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 70 °C
Ambient temperature (installation)	-5 °C ... 50 °C
Altitude	5000 m

Mounting

cable layer type	Outdoors

Classifications

ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

ETIM

ETIM 10.0	EC000034

UNSPSC

UNSPSC 21.0	26121600

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%

EF3.1 Climate Change

CO2e kg	0.214 kg CO2e

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