

# PSM-LWL-GDM-RUGGED- 50/125 - FO cable



2799322

<https://www.phoenixcontact.com/us/products/2799322>

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Fiber glass cable, duplex 50  $\mu\text{m}$ /125  $\mu\text{m}$ , by the meter, without male connector, for installation in stationary systems and machines

The figure shows version PSM-LWL-PCF-200/230

## Your advantages

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

## Commercial data

Item number	2799322
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC233
GTIN	4017918074029
Weight per piece (including packing)	51.88 g
Weight per piece (excluding packing)	51.88 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
Number of positions	2

### Electrical properties

Transmission medium	Multi-mode fiberglass
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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	50 kg/km
Cable abbreviation	I-V(ZN)H11Y 2G50/125 2,5B600+0,7F1200
External cable diameter	8 mm
Outer sheath, material	PUR
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	65 mm (Short-term)
	65 mm (Short-term)
	30 mm (Short-term)

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Bending radius	50 mm (permanent)
	65 mm (Short-term)
	65 mm (permanent)
Tensile strength short-term/long-term	1000 N / 200 N
Lateral pressure short term	400 N/cm
Lateral pressure, long-term	100 N/cm
Impact strength	2 Nm / 10 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
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## Mechanical properties

Tensile strength short-term/long-term	1000 N / 200 N
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Impact strength	2 Nm / 10 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	Indoors
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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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