

# FL FOC PN-B-HCS-200/230 - FO cable



2313766

<https://www.phoenixcontact.com/us/products/2313766>

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PROFINET PCF fiber cable, duplex 200  $\mu\text{m}$  / 230  $\mu\text{m}$ , for installation in stationary systems and machines, type B, PVC outer sheath, sold by the meter without plug

## Your advantages

- Universal installation cable for installation in stationary systems and machines
- For indoors
- PVC outer sheath
- 2.2 mm single-core wires made from extremely hard-wearing polyvinyl chloride (PVC)
- PROFINET type B
- Ozone and UV resistant

## Commercial data

Item number	2313766
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC232
GTIN	4046356573382
Weight per piece (including packing)	46.35 g
Weight per piece (excluding packing)	46.35 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	Ethernet
	PROFINET
	PROFIBUS
	Modbus

### Dimensions

#### External dimensions

External diameter min.	6.7 mm
External diameter max.	7.7 mm

### Material specifications

Color (Outer sheath)	green (RAL 6021)
Color (Single-core wire)	black (RAL 9005)
	orange (RAL 2003)
Outer sheath, material	PVC

### Cable/line

Cable length	Free input (1.0 ... 2000 m)
Cable weight	45 kg/km
Cable abbreviation	AT-V(ZN)YY 2K200/230 HCS
External cable diameter	7.2 mm
Outer sheath, material	PVC
External sheath, strain relief elements	Non-metallic, aramide fiber
Single wire, number of litz wires	2
Single wire, material	PVC
Individual wire diameter	2.2 mm ±0.1 mm
Bending radius, single element	30 mm (Short-term)
	30 mm (Short-term)
Bending radius, entire cable	70 mm (Short-term)
	70 mm (Short-term)

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Bending radius	30 mm (Short-term)
	50 mm (permanent)
	70 mm (Short-term)
	105 mm (permanent)
Tensile strength short-term/long-term	800 N / 100 N
Lateral pressure short term	500 N/cm
Lateral pressure, long-term	300 N/cm
660 nm	10 dB/km
850 nm	8 dB/km
Resistance to oil	very good oil and chemical resistance
Behavior in fire	Flame-resistant as per IEEE and IEC 60 332-3 test type C

## FO cable

Fiber	PCF, 200/230 µm
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## Mechanical properties

Tensile strength short-term/long-term	800 N / 100 N
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Ambient temperature (storage/transport)	-40 °C ... 90 °C
Ambient temperature (installation)	-5 °C ... 50 °C
Altitude	5000 m
Resistance to oil	very good oil and chemical resistance

## Standards and regulations

Behavior in fire	Flame-resistant as per IEEE and IEC 60 332-3 test type C
Resistance to oil	very good oil and chemical resistance

## 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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