

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 µm / 230 µm, 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

Product properties

Product type

Data cable by the meter

Electrical properties

Transmission medium

PCF fiber

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)

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)

30 mm (Short-term)

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| | |
|---------------------------------------|--|
| Bending radius | 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 |
|-------|----------------------------|

Mechanical properties

| | |
|---------------------------------------|---------------|
| Tensile strength short-term/long-term | 800 N / 100 N |
|---------------------------------------|---------------|

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 9.0 | EC000034 |
|----------|----------|

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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