

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
Catalog page	Page 410 (C-2-2019)
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

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

Outer sheath, material	PVC
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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)
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

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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-11.0	27061803
ECLASS-12.0	27061803
ECLASS-13.0	27061803

ETIM

ETIM 9.0	EC000034
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

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

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Accessories

PSM-SET-SCRJ-DUP/2-HCS/PN - FO connectors

2313546

<https://www.phoenixcontact.com/us/products/2313546>

FO connectors, degree of protection: IP20, number of positions: 2, MM, cable outlet: straight, color: black



PSM-SET-B-FOC/4-HCS/PN - FO connectors

2313782

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FO connectors, degree of protection: IP20, number of positions: 4, MM, material: Plastic, cable outlet: straight



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PSM-SET-SC-DUPLEX/2-HCS/PN - FO connectors

2313779

<https://www.phoenixcontact.com/us/products/2313779>

FO connectors, degree of protection: IP20, number of positions: 2, MM, cable outlet: straight



PSM-HCS-KONFTOOL/SC-RJ - Assembly tool

2708876

<https://www.phoenixcontact.com/us/products/2708876>

HCS assembly kit for SC-RJ quick mounting connectors, including stripping blade, stripping pliers, aramide yarn scissors, fiber stripper, microscope, fiber cleaving tool for standard HCS and HCS GI fibers, two SC-RJ connectors for standard HCS fiber, and documentation



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PSM-HCS-KONFTOOL/B-FOC - Assembly tool

2708465

<https://www.phoenixcontact.com/us/products/2708465>



HCS assembly kit for B-FOC(ST) quick mounting connectors, including stripping blade, stripping pliers, aramide yarn scissors, fiber stripper, microscope, fiber cleaving tool for standard HCS and HCS GI fibers, four B-FOC(ST) connectors for standard HCS fiber, and documentation

PSM-HCS-CLEAVETOOL/SCRJ - Assembly tool

2313122

<https://www.phoenixcontact.com/us/products/2313122>



Fiber cleaving tool for PCF fibers, pin assignment: SC-RJ or SC duplex for the assembly of SC quick mounting connectors, supplements PSM-PCF-KONFTOOL...

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PSM-HCS-CLEAVETOOL/B-FOC - Assembly tool

2708478

<https://www.phoenixcontact.com/us/products/2708478>



Fiber cleaving tool for PCF fibers, pin assignment: B-FOC (ST) for the assembly of B-FOC quick mounting connectors, supplements PSM-PCF-KONFTOOL...

FOC-PN-HCS-1018/IP20/... - FO patch cable

2901556

<https://www.phoenixcontact.com/us/products/2901556>



PCF PROFINET installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, individual elements of polyamide (PA), ozone- and UV-resistant, with PVC outer sheath

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PSM-FO-STRIP - Stripping tool

2744199

<https://www.phoenixcontact.com/us/products/2744199>



Stripping pliers for transmitting individual elements of the fiber optic cable. Especially suited for all polymer and PCF cables. Special mechanics and precise blade form avoid damage to the fiber optic fibers. Dimensions: (L x W x H) 160 x 130 x 36 mm.

VS-PPC-C1-SCRJ-MNNA-PG9-A3C-C - FO connectors

1608045

<https://www.phoenixcontact.com/us/products/1608045>



FO connectors, degree of protection: IP65/IP67, number of positions: 2, MM, material: Metal, connection method: Push-pull, cable outlet: straight, color: silver

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