

# FO cable - FL FOC PN-B-HCS-200/230 - 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 individual wires made from extremely hard-wearing polyvinyl chloride (PVC)
- PROFINET type B
- Ozone and UV resistant



ETHERNET  
#20000

## Key Commercial Data

Packing unit	1 M
GTIN	 4 046356 573382
GTIN	4046356573382

## Technical data

### Mechanical characteristics

Weight	46.35 g
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### Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Ambient temperature (storage/transport)	-40 °C ... 90 °C
Altitude	5000 m

### Line characteristics

Cable abbreviation	AT-V(ZN)YY 2K200/230 HCS
Length of cable	Free input (1.0 ... 2000 m)
External cable diameter	7.2 mm
Wire colors	Black and orange with arrow labeling

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## Technical data

### Line characteristics

External sheath, color	green
Outer sheath, material	PVC
Strain relief elements, external sheath	Non-metallic, aramide fiber
Cable weight	45 kg/km
Bending radius, single element	30 mm (Short-term) 50 mm (Permanent)
Bending radius, entire cable	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
cable layer type	Indoors
Resistance to oil	very good oil and chemical resistance
Fiber	PCF, 200/230 µm

### Attenuation

660 nm	10 dB/km
850 nm	8 dB/km

### Standards and Regulations

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

### Environmental Product Compliance

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

## Classifications

### eCl@ss

eCl@ss 10.0.1	27061803
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061803
eCl@ss 8.0	27061803
eCl@ss 9.0	27061803

### ETIM

ETIM 2.0	EC000034
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## Classifications

### ETIM

ETIM 3.0	EC000034
ETIM 4.0	EC000034
ETIM 5.0	EC000034
ETIM 6.0	EC000034
ETIM 7.0	EC000034

### UNSPSC

UNSPSC 6.01	26121607
UNSPSC 7.0901	26121607
UNSPSC 11	26121607
UNSPSC 12.01	26121607
UNSPSC 13.2	26121607
UNSPSC 18.0	26121607
UNSPSC 19.0	26121607
UNSPSC 20.0	26121607
UNSPSC 21.0	26121607

## Accessories

### Accessories

#### Data cable preassembled

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

FO patch cable - FOC-PN-HCS-1018/... - 1402190



HCS PROFINET installation cables that can be assembled for fixed installation indoors and outdoors (direct underground installation not permitted) with individual elements made from extremely hard-wearing polyamide (PA). The cable is halogen-free, ozone and UV resistant and has a PVC outer sheath.

### Data plug

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### Accessories

#### FO connectors - PSM-SET-SCRJ-DUP/2-HCS/PN - 2313546



SC-RJ connector set for standard PROFINET PCF fiber cables with 2.2 mm diameter of the individual elements. Consisting of 2 duplex quick mounting connectors with bend protection for self-assembly.

#### FO connectors - PSM-SET-B-FOC/4-HCS/PN - 2313782



B-FOC (ST) connector set for standard PROFINET PCF fiber cables with 2.2 mm diameter of the individual elements. Consisting of 4 quick mounting connectors with bend protection for self-assembly.

#### FO connectors - PSM-SET-SC-DUPLEX/2-HCS/PN - 2313779



SC duplex connector set for standard PROFINET PCF fiber cables with 2.2 mm diameter of the individual elements. Consisting of 2 duplex quick mounting connectors with bend protection for self-assembly.

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

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

## FO cable - FL FOC PN-B-HCS-200/230 - 2313766

### Accessories

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

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### Fiber optic connector (cable side)

FO connectors - VS-PPC-C1-SCRJ-MNNA-PG9-A3C-C - 1608045



Fiber optic connector SC-RJ, IP67, with push-pull interlocking, metal housing, duplex, with fast connection technology, for PCF fiber 200/230 μm, for individual wire diameter 2.2 mm, for cable cross section 6.5 mm ... 9.5 mm

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