

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

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PROFINET PCF fiber cables, duplex 200/230 µm, for indoor installation, type B, PVC outer sheath, sold by the meter, without plugs

Product Features

- Universal installation cable for fixed installation indoors
- PVC outer sheath
- 2.2 mm individual wires made from extremely hard-wearing polyvinyl chloride (PVC)
- PROFINET type B
- Halogen-free, ozone, and UV resistant



Key Commercial Data

Packing unit	1 M
Weight per Piece (excluding packing)	480.0 g
Custom tariff number	85447000
Country of origin	Germany

Technical data

Mechanical characteristics

Fiber	HCS, 200/230 µm
Cable diameter	7.2 mm

Ambient conditions

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

Material data

Outer sheath, material	PVC
External sheath, color	green

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Technical data

Line characteristics

Cable type	PCF
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
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	HCS, 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

Classifications

eCl@ss

eCl@ss 4.0	27061001
eCl@ss 4.1	27061001
eCl@ss 5.0	27061803
eCl@ss 5.1	27061803
eCl@ss 6.0	27061803
eCl@ss 7.0	27061803
eCl@ss 8.0	27061803

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Classifications

eCl@ss

eCl@ss 9.0	27061803
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ETIM

ETIM 2.0	EC000034
ETIM 3.0	EC000034
ETIM 4.0	EC000034
ETIM 5.0	EC000034

UNSPSC

UNSPSC 6.01	26121607
UNSPSC 7.0901	26121607
UNSPSC 11	26121607
UNSPSC 12.01	26121607
UNSPSC 13.2	26121607

Accessories

Accessories

Assembly tool

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

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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...

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...

Stripping tool - PSM-FO-STRIP - 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.

Connector set

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.

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Accessories

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.

Data cable preassembled

FO patch cable - FOC-PN-HCS-1018/IP20/... - 2901556



PCF PROFINET installation cable (IP20 heads only) for fixed installation in the inner area with individual elements made of highly durable polyamide (PE). The cable is halogen-free, ozone and UV resistant and has an outer sheath made of PVC.

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 (PE). The cable is halogen-free, ozone and UV resistant and has a PVC outer sheath.