

# FO cable - PSM-LWL-HCS-RUGGED-200/230 - 2799885

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PCF cable, duplex 200 µm/230 µm, by the meter without male connector, for installation in stationary systems and machines

## Your advantages

- ✓ Robust installation cable for installation in stationary systems and machines
- ✓ For indoors
- ✓ 2.9 mm individual wires made from highly flexible FRNC material
- ✓ Highly tear-resistant aramid strain relief elements
- ✓ Rugged polyurethane (PUR) outer sheath
- ✓ Halogen-free, ozone, and UV resistant



## Key Commercial Data

Packing unit	1 M
GTIN	
GTIN	4017918074159

## Technical data

### Mechanical characteristics

Weight	47 g
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### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
	-20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	5000 m

### Line characteristics

Cable abbreviation	I-VH11Y 2K200/230 HCS
Length of cable	Free input (1.0 ... 2000 m)
External cable diameter	8 mm

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## Technical data

### Line characteristics

Wire colors	Red/Green
External sheath, color	orange
Outer sheath, material	PUR
Cable weight	54 kg/km
Bending radius, single element	30 mm (Short-term) 50 mm (Permanent)
Bending radius, entire cable	60 mm (Short-term) 60 mm (Permanent)
Impact strength	2 Nm / 10 x
cable layer type	Indoors
Halogen-free	According to IEC 60754-2
Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Fiber	PCF, 200/230 µm

### Attenuation

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

### Standards and Regulations

Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Resistance to UV radiation	500 hours, according to DIN EN ISO 4892-2
Impact strength	2 Nm / 10 x
Free from substances that could impair the application of coating	according to P-VW 3.10.7 57 65 0 VW-AUDI-Seat central standard
Halogen-free	According to IEC 60754-2
Behavior in fire	1.72 MJ/m (0.48 kWh/m)

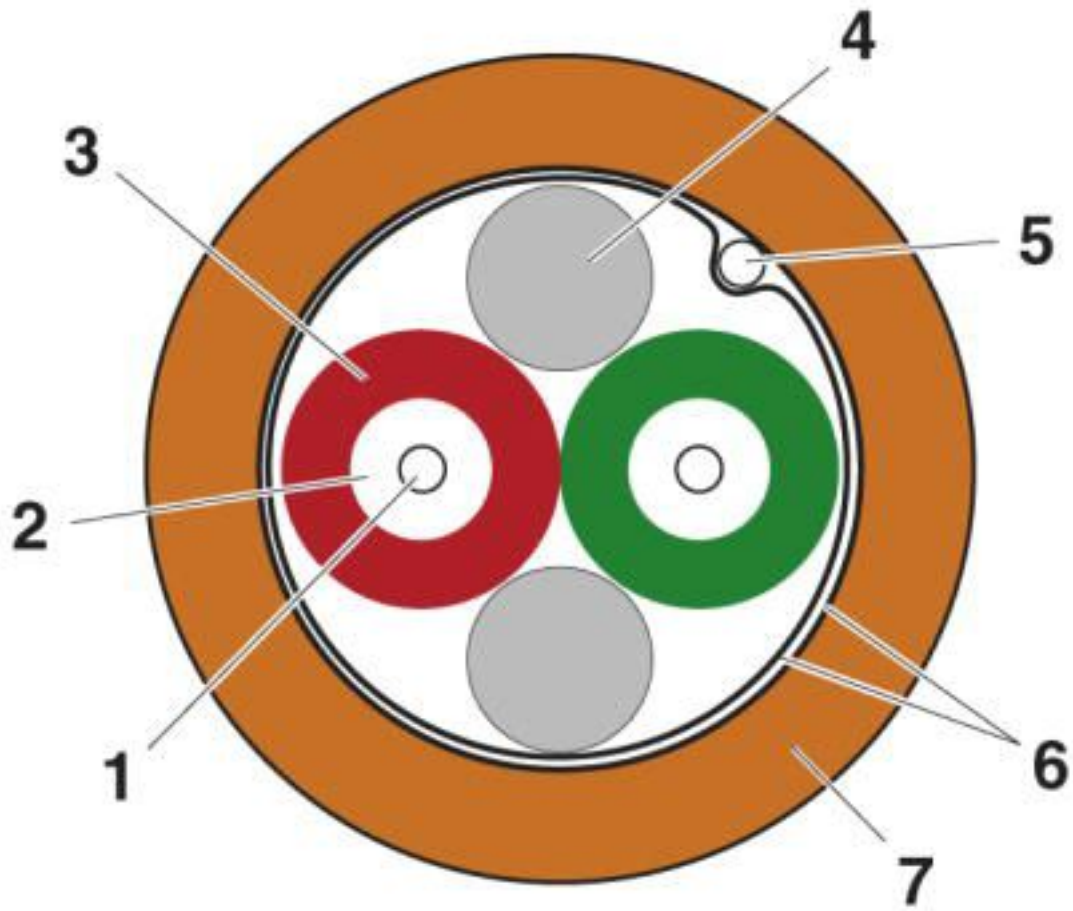
### Environmental Product Compliance

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

## Drawings

# FO cable - PSM-LWL-HCS-RUGGED-200/230 - 2799885

Schematic diagram



## 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	EC000752
ETIM 3.0	EC000752
ETIM 4.0	EC000752
ETIM 5.0	EC000034

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## Classifications

### ETIM

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

#### Assembly tool

Assembly tool - PSM-HCS-CLEAVETOOL - 2744995



Fiber cleaving tool for PCF fibers, pin assignment: F-SMA for the assembly of F-SMA quick mounting connectors, supplements PSM-PCF-KONFTOOL...

### Connector set

FO connectors - PSM-SET-SCRJ-DUP/2-HCS - 2313070



SC-RJ connector set for PCF fiber, for self-assembly, consisting of 2 duplex quick mounting connectors with bend protection, for a single wire diameter of 2.9 mm

### Data cable preassembled

FO patch cable - FOC-HCS-RUGGED-1014/IP20/... - 2901555



Robust PCF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, aramid strain relief elements, with individual elements made from FRNC material, halogen-free, ozone and UV resistant, with a polyurethane (PUR) outer sheath

## FO cable - PSM-LWL-HCS-RUGGED-200/230 - 2799885

### Accessories

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FO patch cable - FOC-HCS-RUGGED-1014/... - 1402191



rugged PCF installation cable for inner areas with highly tear-proof aramid strain-relief elements. Individual elements made from highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

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### Data plug

FO connectors - PSM-SET-FSMA/4-HCS - 2799487



F-SMA plug set for PCF fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve

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FO connectors - PSM-SET-B-FOC/4-HCS - 2708481



B-FOC (ST) connector set for PCF fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve

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Assembly tool - PSM-HCS-KONFTOOL - 2799526



PCF assembly kit for F-SMA quick mounting connectors, including stripping blade, stripping pliers, aramide yarn scissors, fiber stripper, microscope, fiber cleaving tool for standard HCS fibers, four F-SMA connectors for standard PCF fibers, and documentation

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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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## FO cable - PSM-LWL-HCS-RUGGED-200/230 - 2799885

### Accessories

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

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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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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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