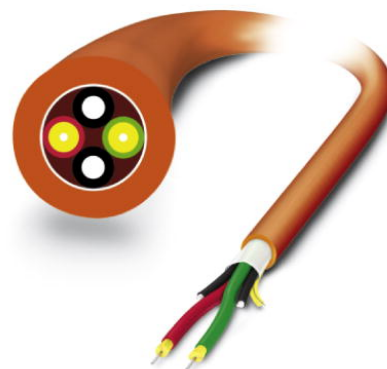



# PSM-LWL-HCS-RUGGED-200/230

Order No.: 2799885



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2799885>

HCS cable, duplex 200/230 µm, by the meter, without connector, for indoor installation

Commercial data	
GTIN (EAN)	
Note	Made-to-order
sales group	H628
Pack	1 m
Customs tariff	85447000
Catalog page information	Page 528 (IF-2011)

#### Product notes

WEEE/RoHS-compliant since:  
07/17/2006



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Technical data	
<b>Cable type</b>	
Cable abbreviation	I-VH11Y 2K200/230 HCS
Cable type	HCS
<b>External sheath</b>	
Outer sheath, material	PUR

External sheath, color	orange
External diameter	8 mm
External diameter max.	8.5 mm
External diameter min.	7.5 mm

#### Single wire

Individual wires per module	2
Single wire, color	Red/Green
Individual wire, diameter	2.9 mm ±0.1 mm
Single wire, material	FRNC material
Single wire, strain relief elements	Non-metallic, aramide fibers

#### Mechanical properties

Bending radius, single element	30 mm (Short-term)
	50 mm (Permanent)
Bending radius, entire cable	65 mm (Short-term)
	65 mm (Permanent)
Lateral pressure	400 N/cm (Short-term)
	100 N/cm (Permanent)
Impact strength	2 Nm / 10 x
Tensile strength GRP	1000 N (Short-term)
	200 N (Permanent)
Ambient temperature (operation)	-40 °C ... 70 °C
	-20 °C ... 70 °C (with quick mounting connector)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (installation)	-20 °C ... 60 °C
Cable, attenuation	10 dB/km ()
	8 dB/km ()
Bandwidth length product	()
	()
Torsion	360 °/m ()
Numerische Apertur	0.37

#### General data

Cable weight	54 kg/km
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

Resistance to oil	IRM 902 No.2, 100 °C, DIN VDE 0473-811-2-1
Halogen-free	According to IEC 60754-2

**Accessories**

Item	Designation	Description
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**Cable/conductor**

1402191	FOC-HCS-RUGGED-1014/...	rugged HCS 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.
2901555	FOC-HCS-RUGGED-1014/IP20/...	rugged HCS installation cable (IP20 heads only) 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.

**Plug/Adapter**

2708481	PSM-SET-B-FOC/4-HCS	B-FOC (ST) connector set for HCS fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2799487	PSM-SET-FSMA/4-HCS	F-SMA plug set for HCS fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2313070	PSM-SET-SCRJ-DUP/2-HCS	SCRJ connector set for HCS fiber, for self assembly, consisting of 2 duplex quick mounting connectors with bending protection

**Tools**

2744995	PSM-HCS-CLEAVETOOL	Fiber cleaving tool for HCS fibers, pin assignment: F-SMA for the assembly of F-SMA quick mounting connectors, supplements PSM-HCS-KONFTOOL...
2708478	PSM-HCS-CLEAVETOOL/B-FOC	Fiber cleaving tool for HCS fibers, pin assignment: B-FOC (ST) for the assembly of B-FOC quick mounting connectors, supplements PSM-HCS-KONFTOOL...
2313122	PSM-HCS-CLEAVETOOL/SCRJ	Fiber cleaving tool for HCS fibers, pin assignment: SCRJ or SC duplex for the assembly of SC quick mounting connectors, supplements PSM-HCS-KONFTOOL...
2799526	PSM-HCS-KONFTOOL	HCS 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, and documentation
2708465	PSM-HCS-KONFTOOL/B-FOC	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, and documentation

2708876	PSM-HCS-KONFTOOL/SC-RJ	HCS assembly kit for SCRJ quick mounting connectors, including stripping blade, stripping pliers, aramide yarn scissors, fiber stripper, microscope, fiber cleaving tool for standard HCS and HCS GI fibers, and documentation
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**Address**

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