

SAC-4P-M12FS/ 8,0-PUR/M12FS VW - Sensor/actuator cable



1502345

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Sensor/actuator cable, 4-position, PUR halogen-free, irradiated, welding sputter-resistant, orange RAL 2003, Socket straight M12, coding: A, on Socket straight M12, coding: A, cable length: 8 m

Commercial data

Item number	1502345
Packing unit	5 pc
Minimum order quantity	50 pc
Product key	AF1CCA
GTIN	4017918857646
Weight per piece (including packing)	312.36 g
Weight per piece (excluding packing)	312.36 g
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A

Material specifications

Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU

Electrical properties

Rated voltage in acc. with IEC 61076-2-101	250 V
Nominal voltage U_N	250 V AC
	250 V DC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Signaling

Status display present	no
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Connector

Connection 1

Type	Socket straight M12
Number of positions	4
Coding type	A

Connection 2

Type	Socket straight M12
Number of positions	4
Coding type	A

Cable/line

Cable length	8 m
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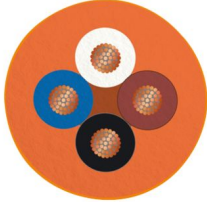
PUR irradiated halogen-free orange [150]

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Dimensional drawing	
Number of positions	4
Shielded	no
Cable type	PUR irradiated halogen-free orange [150]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	4x 0.34 mm ² (Signal line)
Wire diameter incl. insulation	1.05 mm ±0.05 mm (Signal line)
External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	orange RAL 2003
Conductor material	Bare Cu litz wires
Material wire insulation	PE
Single wire, color	brown, white, blue, black
Overall twist	4 wires, twisted
Length of twist, overall twist	27 mm
Max. conductor resistance	max. 57 Ω/km
Nominal voltage, cable	320 V (AC)
Test voltage	2500 V (50 Hz, 5 minutes)
Smallest bending radius, fixed installation	min. 15 mm
Smallest bending radius, movable installation	min. 30 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 52 mm, Traversing path: 10 m, Traversing rate: 3 m/s
Dynamic load capacity (torsion)	Torsion: ±360 °/m
Halogen-free	The cable is halogen-free
Other resistance	hydrolysis and microbe resistant Resistant to welding splashes
Special properties	Silicone-free Irradiated
Ambient temperature (operation)	-50 °C ... 105 °C (cable, fixed installation) -40 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-50 °C ... 105 °C (cable, fixed installation)
	-40 °C ... 105 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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