

1439159

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Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector C (8 mm), with 1 LED, Wiring: Z diode

Commercial data

Item number	1439159
Packing unit	5 pc
Minimum order quantity	5 pc
Note	Made to order (non-returnable)
Sales key	BF07
Product key	AF1DEA
GTIN	4046356505208
Weight per piece (including packing)	63.54 g
Weight per piece (excluding packing)	63.54 g
Customs tariff number	85444290
Country of origin	PL



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Technical data

Product properties

	Product type	Sensor/actuator cable with valve connector
El	ectrical properties	
	Nominal voltage U _N	24 V AC
		24 V DC

Connector

Connection 1

Туре	free cable end
Connection 2	
Туре	Valve connector C (8 mm)
Protective circuit	Z diode

Cable/line

PUR halogen-free black [PUR]

Cable weight 23 kg/km UL AWM Style 20549 Number of positions 3 Shielded no Cable type PUR halogen-free black [PUR] Conductor structure signal line 42x 0.10 mm AWG signal line 22 Conductor cross section 3x 0.34 mm² (Signal line) Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line) External cable diameter 3.85 mm ±0.15 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation)	Dimensional drawing	
Number of positions Shielded no Cable type PUR halogen-free black [PUR] Conductor structure signal line 42x 0.10 mm AWG signal line 22 Conductor cross section 3x 0.34 mm² (Signal line) Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line) External cable diameter 3.85 mm ±0.15 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black	Cable weight	23 kg/km
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External cable diameter 3.85 mm ±0.15 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black	Conductor cross section	3x 0.34 mm² (Signal line)
Outer sheath, material External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black	Wire diameter incl. insulation	1.27 mm ±0.02 mm (Signal line)
External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black	External cable diameter	3.85 mm ±0.15 mm
Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black	Outer sheath, material	PUR
Material wire insulation PP Single wire, color brown, blue, black	External sheath, color	black-gray RAL 7021
Single wire, color brown, blue, black	Conductor material	Bare Cu litz wires
	Material wire insulation	PP
Thickness, insulation ≥ 0.21 mm (Core insulation)	Single wire, color	brown, blue, black
	Thickness, insulation	≥ 0.21 mm (Core insulation)



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	approx. 0.50 mm (Outer cable sheath)
Overall twist	3 wires, twisted
Max. conductor resistance	max. 58 Ω/km (at 20 °C)
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Smallest bending radius, fixed installation	19 mm
Smallest bending radius, movable installation	38 mm
Dynamic load capacity (bending)	Max. bending cycles: 10000000, Bending radius: 38 mm, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
Dynamic load capacity (torsion)	Torsion: ±180 °/m, Torsion cycles: ≥2000000, Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	in accordance with UL 758/1581 FT2
	DIN EN 60332-2-2 (20 s)
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant
	partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C 80 °C (cable, fixed installation)
	-25 °C 80 °C (Cable, flexible installation)



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Classifications

ECLASS

	ECLASS-13.0	27060312
UNS	SPSC	
	UNSPSC 21.0	31251501



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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