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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight DEUTSCH DT06-3S Clip locking, coding: A, Wiring: unwired, cable length: 3 m

Commercial data

Item number	1414996
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF08
Product key	BF1DWA
Catalog page	Page 244 (C-2-2019)
GTIN	4055626036724
Weight per piece (including packing)	148.4 g
Weight per piece (excluding packing)	141.5 g
Customs tariff number	85444290
Country of origin	DE

SAC-3P- 3,0-PUR/DTFS - Sensor/actuator cable



1414996

<https://www.phoenixcontact.com/us/products/1414996>

Technical data

Product properties

Product type	Sensor/actuator cable
Application	Mobile hydraulics
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A

Material specifications

Flammability rating according to UL 94	V2
Seal material	Silicon
Material of grip body	TPU
Contact material	Cu alloy
Contact surface material	nickel-plated
Contact carrier material	PA 6.6
Material for screw connection	not available

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	48 V AC
	48 V DC
Nominal current I_N	8 A

Signaling

Status display	No
Status display present	No

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket straight DEUTSCH DT06-3S Clip locking
Number of positions	3
Locking type	Clip locking
Coding type	A

Cable/line

Cable length	3 m
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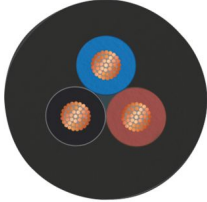
PUR halogen-free black [PUR]

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Dimensional drawing	
Cable weight	42 kg/km
UL AWM Style	20549 / 10152 (80°C/300 V)
Number of positions	3
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.15 mm
AWG signal line	18
Conductor cross section	3x 0.75 mm ² (Signal line)
Wire diameter incl. insulation	1.69 mm ±0.05 mm (Signal line)
External cable diameter	5.20 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
Thickness, outer sheath	≥ 0.38 mm
Overall twist	3 wires, twisted
Max. conductor resistance	≤ 26 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage	≥ 3000 V AC (Spark test)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	26 mm
Smallest bending radius, movable installation	52 mm
Max. bending cycles	4000000
Halogen-free	in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1
Flame resistance	according to UL 758/1581 (horizontal) in accordance with UL 758/1581 FT2 according to DIN EN 60332-2-2
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C According to UL 758, 168 h at 60°C
Other resistance	hydrolysis and microbe resistant partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)

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Special properties	Low adhesion
	abrasion-resistant
	flexible
	Flexible cable conduit capable
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67
	IP69K
Ambient temperature (operation)	-20 °C ... 80 °C (Plug / socket)

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