

Sensor/Actuator cable - SAC-4P-10,0-PUR/M 8FS 0,34 - 1543595

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Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M8, Cable length: 10 m

Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Our standard: robust halogen-free PUR cable
- ✓ Power cable for actuator voltage
- ✓ System cable for supply voltage and bus signal



Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	299.8 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	10 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	30 V

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Technical data

General

Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3
Test voltage	800 V
Insertion/withdrawal cycles	≥ 100

Material

Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm ±0.02 mm
Thickness, insulation	approx. 0.21 mm (Core insulation) approx. 0.8 mm (Outer cable sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
External sheath, color	Black-gray RAL 7021
External cable diameter	4.70 mm
Smallest bending radius, movable installation	47 mm
Number of bending cycles	4000000
Bending radius	47 mm
Traversing path	10 m
Traversing rate	3 m/s
Cable weight	30 kg/km

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Technical data

Cable

Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 100 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$
Nominal voltage, cable	300 V
Test voltage, cable	3000 V
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

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Approvals


Approvals


UL Listed / cUL Listed / cULus Listed


Ex Approvals

Approvals submitted

Approval details

UL Listed 	
Nominal current I _N	4 A
Nominal voltage U _N	125 V

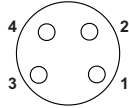
cUL Listed 	
Nominal current I _N	4 A
Nominal voltage U _N	125 V

cULus Listed 	
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Drawings

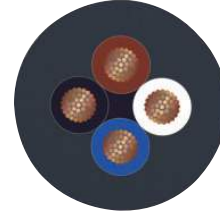
Sensor/Actuator cable - SAC-4P-10,0-PUR/M 8FS 0,34 - 1543595

Schematic diagram



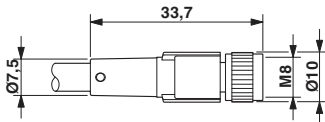
Pin assignment M8 socket, 4-pos., view female side

Cable cross section



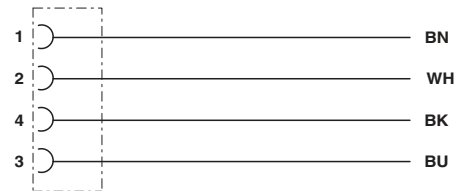
PUR halogen-free black [PUR]

Dimensioned drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8/M12 plugs/sockets