

Sensor/Actuator cable - SAC-4P- 5,0-100/M 8FR - 1577600

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Sensor/Actuator cable, 4-position, PUR/PVC, Gray RAL 7001, free cable end, on Socket angled M8, Cable length: 5 m

as in the figure, but with a gray conductor



Key commercial data

Packing unit	1 pc
Minimum order quantity	25 pc
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	5 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	30 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No

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Technical data

General

Surge voltage category	II
Pollution degree	3

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/PVC gray
Cable type (abbreviation)	100
Cable abbreviation	LiYY-11Y
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.32 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
	approx. 3.8 mm ±0.1 mm (Inner sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
External sheath, color	Gray RAL 7001
External cable diameter D	4.7 mm ±0.2 mm
Smallest bending radius, fixed installation	47 mm
Smallest bending radius, movable installation	47 mm
Number of bending cycles	2000000
Bending radius	47 mm
Traversing path	5 m
Traversing rate	3 m/s
Cable weight	32 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

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Technical data

Cable

Insulation resistance	$\geq 100 \text{ M}\Omega \cdot \text{km}$ (at 20 °C)
Conductor resistance	max. 78 Ω/km (at 20 °C)
Nominal voltage, cable	$\leq 300 \text{ V}$
Test voltage, cable	$\geq 3000 \text{ V}$
Flame resistance	in accordance with DIN UL-Style 20549
Ambient temperature (operation)	-25 °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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UL Listed / GOST / cUL Listed / cUL Listed / cULus Listed / cULus Listed / cULus Listed / null / null / null / null


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Approvals


Ex Approvals


Approvals submitted


Approval details

UL Listed 	
Nominal current IN	4 A
Nominal voltage UN	125 V

GOST 	
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cUL Listed 	
Nominal current IN	4 A
Nominal voltage UN	125 V

cUL Listed 	
Nominal current IN	4 A
Nominal voltage UN	125 V

cULus Listed 	
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Approvals

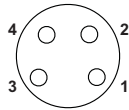
cULus Listed

cULus Listed



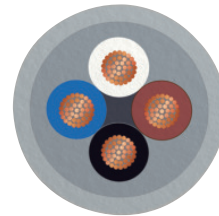
Drawings

Schematic diagram



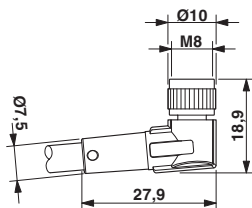
Pin assignment M8 socket, 4-pos., view female side

Cable cross section



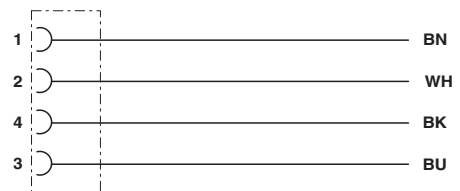
PUR/PVC gray [100]

Dimensioned drawing



Socket M8 x 1, angled

Circuit diagram



Contact assignment of M8 socket

