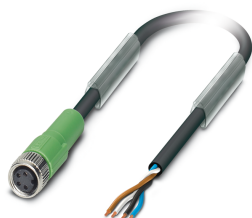


Sensor/actuator cable - SAC-4P-10,0-100/M 8FS - 1577590

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Sensor/actuator cable, 4-position, PUR/PVC, gray RAL 7001, free cable end, on Socket straight M8, cable length: 10 m

as in the figure, but with a gray conductor



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	 4 046356 459389
GTIN	4046356459389

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
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No

Sensor/actuator cable - SAC-4P-10,0-100/M 8FS - 1577590

Technical data

General

Overvoltage category	II
Degree of pollution	3

Material

Flammability rating 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 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
External sheath, color	gray RAL 7001
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	max. 78 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 3000 V

Sensor/actuator cable - SAC-4P-10,0-100/M 8FS - 1577590

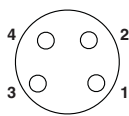
Technical data

Cable

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)

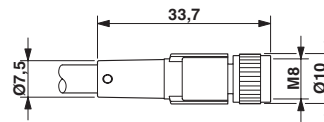
Drawings

Schematic diagram



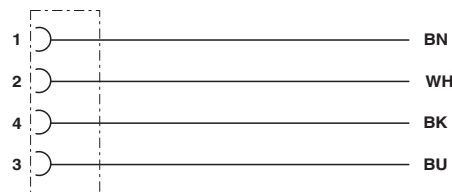
Pin assignment M8 socket, 4-pos., view female side

Dimensional drawing



Socket M8 x 1, straight

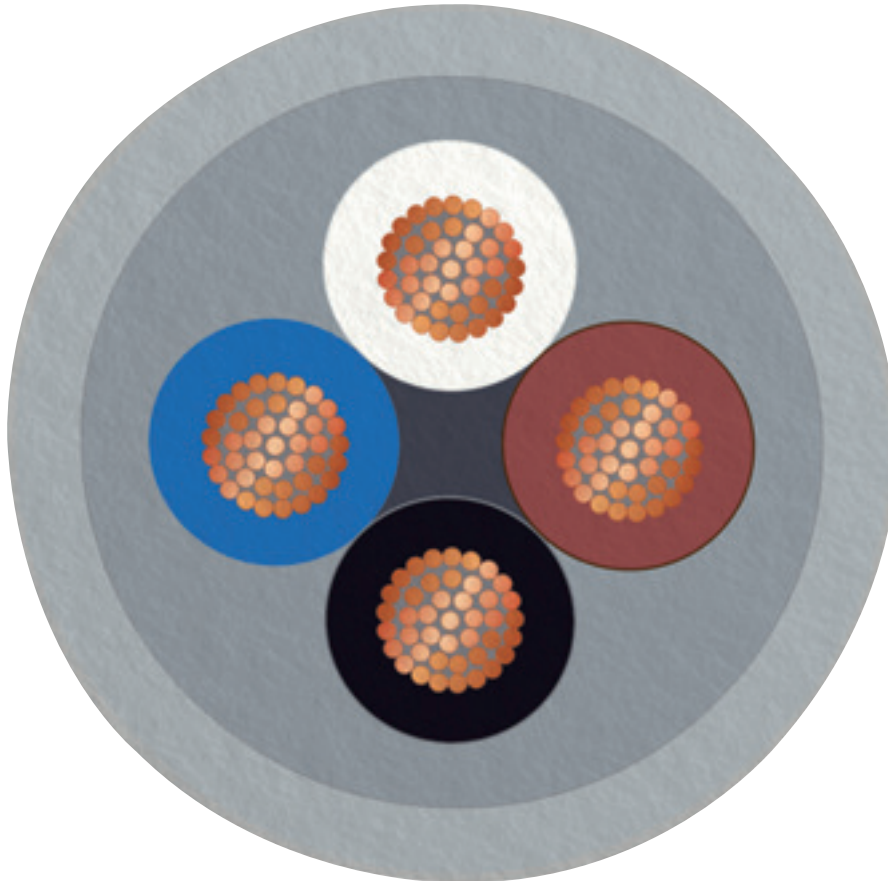
Circuit diagram



Contact assignment of M8/M12 plugs/sockets

Sensor/actuator cable - SAC-4P-10,0-100/M 8FS - 1577590

Cable cross section



PUR/PVC gray [100]

Classifications

eCl@ss

eCl@ss 11.0	27060311
eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855

Sensor/actuator cable - SAC-4P-10,0-100/M 8FS - 1577590

Classifications

ETIM

ETIM 6.0	EC001855
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UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501
UNSPSC 19.0	31251501

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