

SAC-3P-M 8MS/10,0-PUR/M 8FS

Order No.: 1693322

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1693322>Sensor/actuator cable, straight plug M8 on straight socket M8, 3-pos.,
cable length: 10 m**Commercial data**

EAN	4017918438746
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.2417 KG

Product notesWEEE/RoHS-compliant since:
11/29/2006<http://>www.download.phoenixcontact.com
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information and data, please refer
to the user documentation. The
General Terms and Conditions of
Use apply to Internet downloads.**Technical data****General data**

Nominal current I_N	4 A
Nominal voltage U_N	60 V
Number of positions	3
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	10 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
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
Status display	No

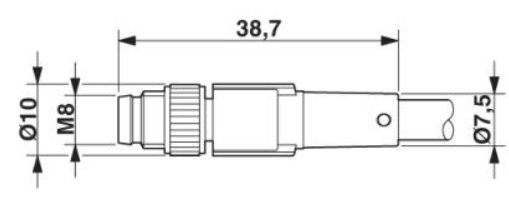
Conductor data

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure, signal line	32 x 0.10 mm
Core diameter including insulation	1.15 mm ±0.05 mm
Thickness, insulation	≥ 0.38 mm (Core insulation)
External cable diameter	4.40 mm
Wire colors	Brown, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 GΩ*km
Conductor resistance	≤ 77.6 Ω/m
Nominal voltage, conductor	300 V
Test voltage, conductor	4000 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR

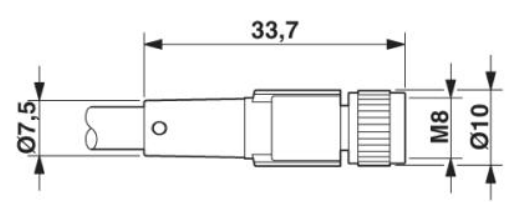
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	23 kg/km
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4000000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s

Drawings

Dimensioned drawing

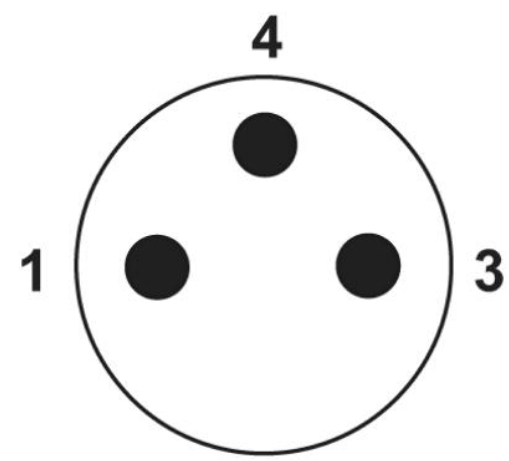


M8 x 1 male connector, straight version

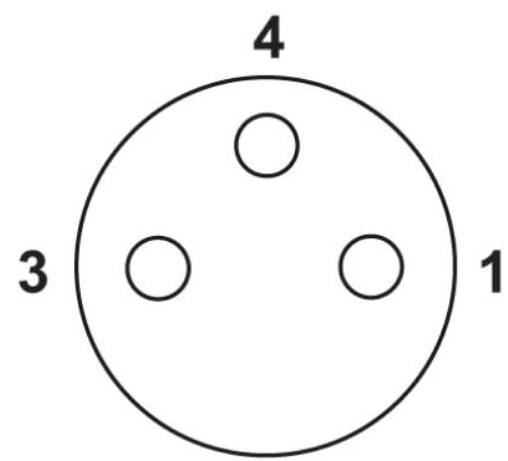


Socket M8 x 1, straight

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side



Pin assignment M8 socket, 3-pos., view female side

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