

**SAC-4P- 2,0-PUR/M 8FS 0,34**

Order No.: 1543582

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1543582>Sensor/actuator cable, 4-pos., PUR/PVC black, free conductor end on  
straight socket M8, length: 2 m**Commercial data**

EAN	4046356098977
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.0826 KG
Catalog page information	Page 382 (AX-2009)

**Product notes**WEEE/RoHS-compliant since:  
12/15/2005

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**Technical data****General data**

Nominal current $I_N$	4 A
Nominal voltage $U_N$	30 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	2 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-25 °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
Test voltage	800 V

**Conductor data**

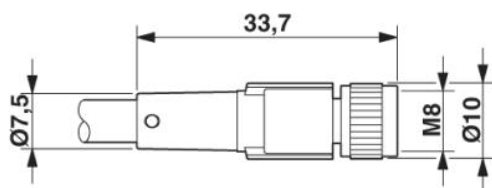
Cable type	PUR/PVC black
Cable type (abbreviation)	350
Cable abbreviation	LiYY-11Y
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure, signal line	42x 0.10 mm
Core diameter including insulation	1.5 mm ±0.05 mm
Thickness, insulation	≥ 0.3 mm (Core insulation)
	≥ 0.35 mm (Inner sheath)
	≥ 0.38 mm (Outer cable sheath)
External cable diameter	5.20 mm
Wire colors	Brown, white, blue, black
External sheath, color	Black RAL 9005
Insulation resistance	≥ 1 GΩ*km
Conductor resistance	≤ 58 Ω/km

Nominal voltage, conductor	300 V
Test voltage, conductor	3000 V
Overall twist	4 wires, twisted
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	39 kg/km
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	2000000
Bending radius	52 mm
Traversing path	5 m
Traversing rate	3 m/s

**Drawings**

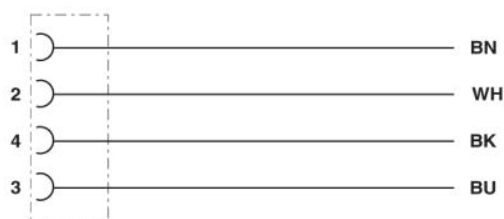
Dimensioned drawing

Socket M8 x 1, straight



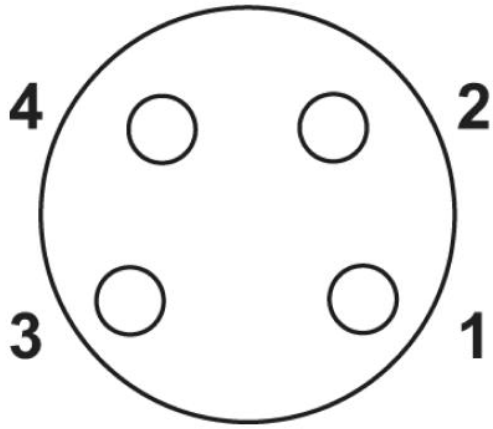
Circuit diagram

Contact assignment of M8/M12 plugs/sockets



Schematic diagram

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



**Address**

PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 00  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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