

SAC-4P-M12MS/10,0-800/M12FS

Order No.: 1567306

as in the figure, but with a gray conductor

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Sensor/actuator cable, 4-pos., PUR halogen-free, highly flexible,
resistant to welding beads, gray, straight M12 connector, on straight
M12 socket, cable length: 10 m

Commercial data

EAN	4046356327107
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.22222 KG

Product notes

WEEE/RoHS-compliant since:
11/12/2007



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Technical data

General data

Nominal current I_N	4 A
Nominal voltage U_N	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$

Insulation resistance	$\geq 10 \text{ M}\Omega$
Length of cable	10 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °C ... 90 °C (cable, fixed installation)
	-30 °C ... 90 °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

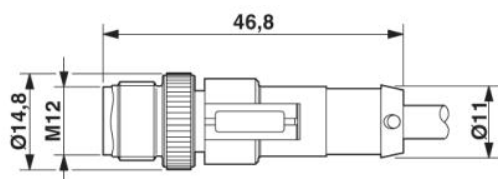
Conductor data

Cable type	PUR halogen-free, highly flexible, resistant to welding beads, gray
Cable type (abbreviation)	800
Cable abbreviation	Li12YYTPE-HF
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure, signal line	42x 0.10 mm
Core diameter including insulation	1.3 mm $\pm$ 0.05 mm
External cable diameter	4.8 mm $\pm$ 0.2 mm
Wire colors	Black, brown, blue, white
External sheath, color	Gray RAL 7001
Conductor resistance	$\leq 53 \text{ }\Omega/\text{km}$
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V
Overall twist	4 wires, twisted
Outer sheath, material	Special TPE

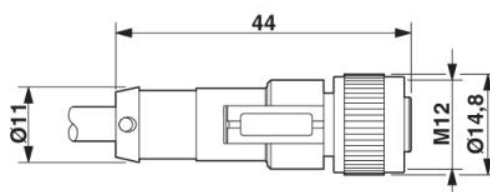
Material conductor insulation	PES
Conductor material	Bare Cu litz wires
Smallest bending radius, fixed installation	24 mm
Smallest bending radius, movable installation	24 mm
Number of bending cycles	10000000
Bending radius	29 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	20 m/s ²
Torsion force	± 360 °/m
Special properties	Sheath resistant to welding beads, can be recycled, matt, without adhesion, wear-resistant, flame resistant and self-extinguishing
	Free from silicone and cadmium
	Free of substances which would hinder coating with paint or varnish
Flame resistance	DIN VDE 0472 part 804, test type B
	IEC 60332-1
	In accordance with FT1 as per UL 758
Freedom from halogen	The conductor is halogen-free
Resistance to oil	Excellent oil-resistance (as per DIN VDE 0250 T.407)
Other resistance	Highly resistant to acids, alkaline solutions and solvents

Drawings

Dimensioned drawing

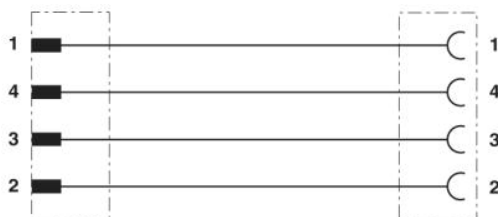


M12 x 1 male connector, straight



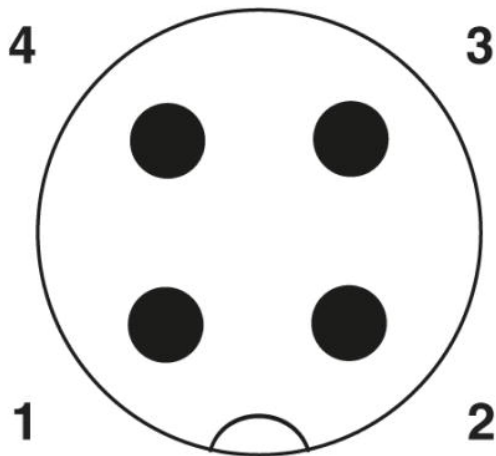
M12 x 1 female connector, straight

Circuit diagram

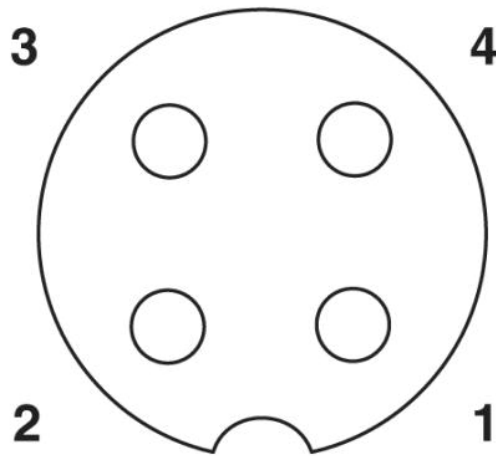


Contact assignment of the M12 plug and the M12 socket

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded,
view plug side



Pin assignment M12 socket, 4-pos., A-coded,
view female side

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