

SAC-4P- 2,0-PUR/M12FR P

Order No.: 1529658

The illustration shows the standard type



Sensor/Actuator cable, 4-position, PUR/PVC, Black RAL 9005, Free conductor end, on Socket, angled M12, A-coded, Cable length: 2 m

Commercial data

EAN	 4 017918 989651
Note	Made-to-order
Pack	5
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
2005-06-01



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4

Volume resistance	$\leq 5 \text{ m}\Omega$
Length of cable	2 m
Stripping length of the free conductor end	50 mm

General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Plastic
Sealing material	NBR
Status display	No

Conductor data

Cable type	PUR/PVC black
Cable abbreviation	LiYY-11Y
Conductor cross section	0.34 mm^2
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	$1.5 \text{ mm} \pm 0.05 \text{ mm}$
Thickness, insulation	$\geq 0.3 \text{ mm}$ (Core insulation)
	$\geq 0.35 \text{ mm}$ (Inner sheath)
	$\geq 0.38 \text{ mm}$ (Outer cable sheath)
External cable diameter	5.20 mm
Wire colors	Brown, white, blue, black
External sheath, color	Black RAL 9005
Insulation resistance	$\geq 1 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$
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

Certificates

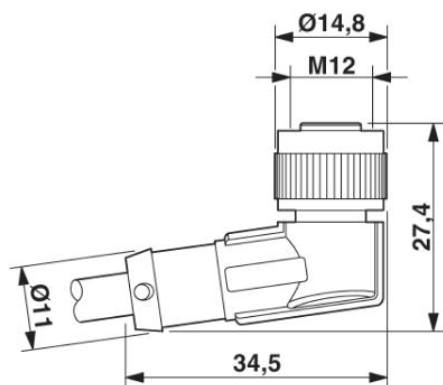


Certification

CUL Listed, UL Listed

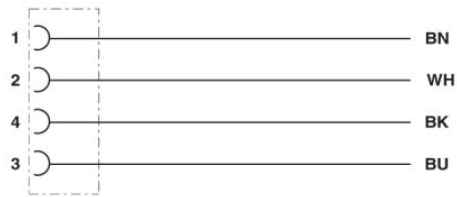
Drawings

Dimensioned drawing



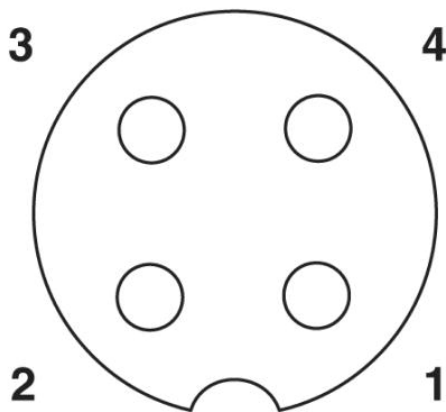
M12 x 1 female connector, angled

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



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