

SAC-5P-20,0-PUR/M12FR BK

Order No.: 1543508

Sensor/Actuator cable, 5-position, PUR/PVC, Black-gray RAL 7021, Free conductor end, on Socket, angled M12, A-coded, Cable length: 20 m

Commercial data

EAN	4 046356 096997
Note	Made-to-order
Pack	5
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
2005-10-24



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	20 m
Stripping length of the free conductor end	50 mm

General characteristics

Coding	A - standard
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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	Zinc die-cast, (nickel-plated)
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 mm ± 0.05 mm
Thickness, insulation	≥ 0.3 mm (Core insulation)
	Approx. 0.35 mm (Inner sheath)
	≥ 0.38 mm (Outer cable sheath)
External cable diameter	5.90 mm
Wire colors	Black, brown, blue, white, green/yellow
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 M Ω *km
Conductor resistance	≤ 58 Ω /km
Nominal voltage, conductor	300 V
Test voltage, conductor	3000 V
Overall twist	5 wires around filler to the core
Outer sheath, material	PUR
Material, inner sheath	PVC
Material, filler	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	50 kg/km

Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Number of bending cycles	2000000
Bending radius	59 mm
Traversing path	5 m
Traversing rate	3 m/s

Certificates

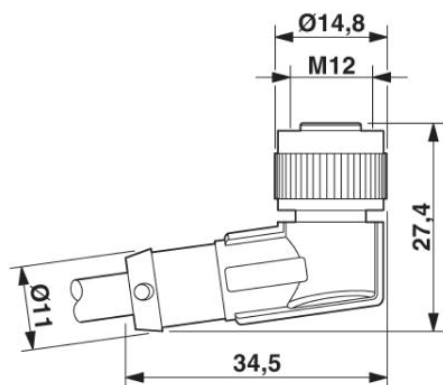


Certification

CUL Listed, UL Listed

Drawings

Dimensioned drawing



M12 x 1 female connector, angled

Schematic diagram

Pin assignment M12 socket, 5-pos., A-coded, socket side view

