


22260717	DATA SHEET	
Valid from: 09.11.2018	AB-C5-10,0PVC-M12FS-SH	

Description

S/A cable, 5-pos., PVC BK shielded, free conductor end on straight socket M12, length: 10 m



General data

Rated current	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	10 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 / IP67
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

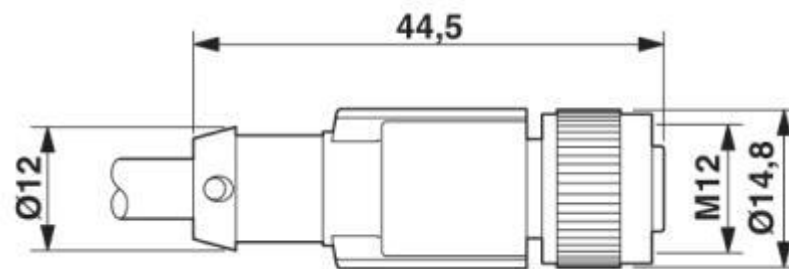
Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LiYY
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure, signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.02 mm
Thickness, insulation	≥ 0.37 mm (Core insulation) ≥ 0.76 mm (Outer cable sheath)
External cable diameter	5.90 mm
External sheath, color	Black RAL 9005
Insulation resistance	≥ 10 MΩ*km

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Conductor resistance	max. 57.3 Ω /km
Rated voltage, conductor	900 V
Test voltage, conductor	2500 V
Overall twist	5 wires around filler to the core
Shielding	Braided shielding made of tin-plated copper wires
Optical shield covering	85 %
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	60 kg/km
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (cable, flexible installation)


Technical drawings and dimensions

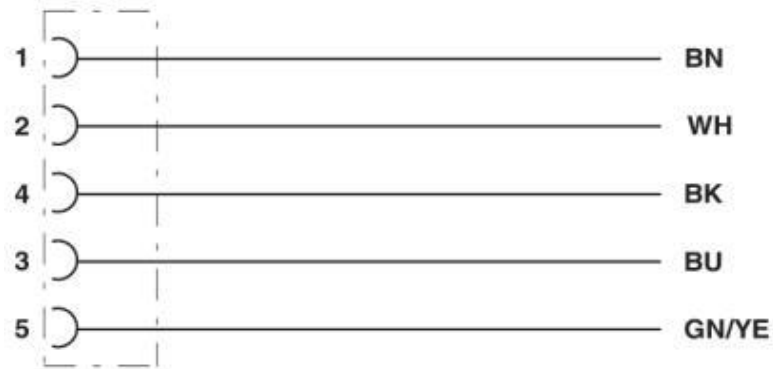


Dimensioned drawing 1

M12 x 1 female connector, straight, shielded

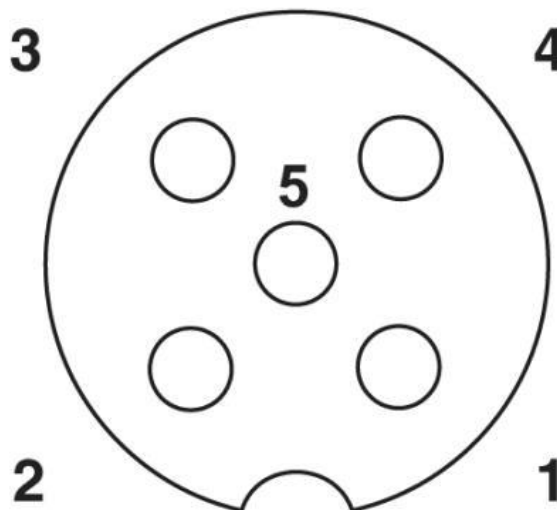
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Circuit diagram 1

Contact assignment of the M12 socket



Schematic diagram 1

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

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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