


22260456	<b>DATA SHEET</b>	
Valid from: 23.09.2020	<b>AB-C4-(L*)PUR-M12FS-SH</b>	

## Product description

Sensor/actuator cable, 4-pos., PUR black, straight socket M12 on free conductor end, shielded.



## Product variations

Article number	Article description	Length (L*) [m]
22260456	AB-C4-2,0PUR-M12FS-SH	2
22260457	AB-C4-5,0PUR-M12FS-SH	5
22260458	AB-C4-10,0PUR-M12FS-SH	10
22261100	AB-C4-15,0PUR-M12FS-SH	15
22260823	AB-C4-20,0PUR-M12FS-SH	20
22261061	AB-C4-25,0PUR-M12FS-SH	25
22260160	AB-C4-30,0PUR-M12FS-SH	30

This datasheet is also valid for other length configurations. Other lengths upon request.

## M12 connector


### General properties

Coding	A
Protection degree	IP65/IP67/IP68
Number of contacts	4
Ambient temperature	-25 °C to +90 °C (-13 °F to +194 °F)
Rated voltage	48 V AC / 60 V DC
Rated current	4 A
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 5 mΩ
Overvoltage category	II
Pollution degree	3
Tightening torque	0.4 Nm
Mating cycles	100

### Materials

Contact carrier	TPU GF
Contact carrier, Inflammability class acc. to UL 94	HB
Material, contacts	CuSn
Contact surface	Ni/Au
Material, grip body	TPU
Material, knurl	zinc die-cast, nickel-plated
Material, sealing	NBR

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260456EN Version: 07	Page 1 of 3
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22260456	<b>DATA SHEET</b>	
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### Cable

Signal line, construction	42 x 0.10 mm
Signal line, AWG	22
Conductor, material	stranded of bare copper wire
Conductor, cross-section	0.34 mm <sup>2</sup>
Number of cores	4
Core identification code	brown (1), white (2), blue (3), black (4)
Outer diameter, core insulation	1.27 mm
Core insulation, material	PP
Screening	braid of copper wire
Coverage	80 %
Outer sheath	PUR
Outer sheath, colour	grey-black similar to RAL 7021
Outer diameter, cable	4.95 mm
Ambient temperature, fixed installation	-40 °C to +80 °C (-40 °F to +176 °F)
Ambient temperature, flexing	-25 °C to +80 °C (-13 °F to +176 °F)
Minimum bending radius, fixed installation	5 x cable diameter
Minimum bending radius, flexing	10 x cable diameter
Travel length	10 m
Travel speed	3 m/s
Acceleration	10 m/s <sup>2</sup>
Number of bending cycles	10.000.000
Nominal voltage	≤ 300 V
Test voltage	≥ 3000 V
Flame retardance	flame retardant acc. to UL FT-2
Halogen free	halogen free acc. to DIN VDE 0472 Part 815 DIN EN 50267-2-1
Oil resistance	oil resistant acc. to DIN EN 60811-2-1 resistant to hydrolysis and microbes good resistant to acids, lyes and solvents
Other resistances	resistant to sea water limited UV resistance acc. to DIN EN ISO 4892-2-A abrasion-resistant

### Standards/Approvals

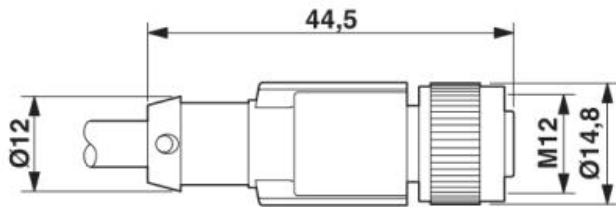
Product standard, M12 connector	IEC 61076-2-101
UL-listed, E-File	E249137

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260456EN Version: 07	Page 2 of 3
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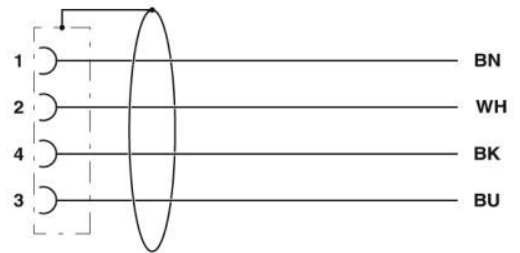
22260456	<b>DATA SHEET</b>	
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## Drawings

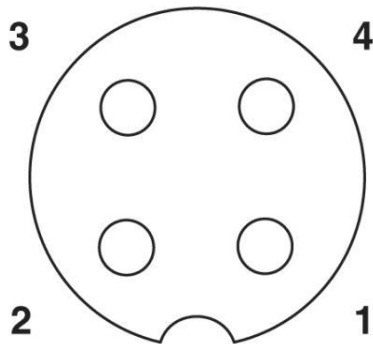
Dimensioned drawing, M12 connector



Wiring diagram



Pin assignment



Cable



Core identification code: brown (1), white (2), blue (3), black (4)

## Application range

Automation, industrial machinery and plant engineering

## Note

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

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260456EN Version: 07	Page 3 of 3
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