


22260842	<b>DATA SHEET</b>	
Valid from: 12.09.2019	<b>AB-C4-(L*)PVC-M12FA</b>	

## Product description

Sensor/actuator cable, 4-pos., PVC black, angled socket M12 on free conductor end.



## Product variations

Article number	Article description	Length (L*) [m]
22260842	AB-C4-1,0PVC-M12FA	1
22260841	AB-C4-2,0PVC-M12FA	2
22260840	AB-C4-3,0PVC-M12FA	3
22260843	AB-C4-4,0PVC-M12FA	4
22260678	AB-C4-5,0PVC-M12FA	5
22260836	AB-C4-6,0PVC-M12FA	6
22260838	AB-C4-7,0PVC-M12FA	7
22260839	AB-C4-8,0PVC-M12FA	8
22260679	AB-C4-9,0PVC-M12FA	9
22260683	AB-C4-10,0PVC-M12FA	10
22260917	AB-C4-20,0PVC-M12FA	20

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	250 V
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: DB22260842EN Version: 05	Page 1 of 3
---	---------------------------------------	-------------

22260842	<b>DATA SHEET</b>	
Valid from: 12.09.2019	<b>AB-C4-(L*)PVC-M12FA</b>	


## Cable

Signal line, construction	19 x 0.15 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	1.26 mm
Core insulation, material	PVC
Outer sheath	PVC
Outer sheath, colour	black similar to RAL 9005
Outer diameter, cable	4.7 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
Nominal voltage	≤ 300 V
Test voltage	≥ 3000 V
Flame retardance	flame retardant acc. to UL-Style 2464

## Standards/Approvals

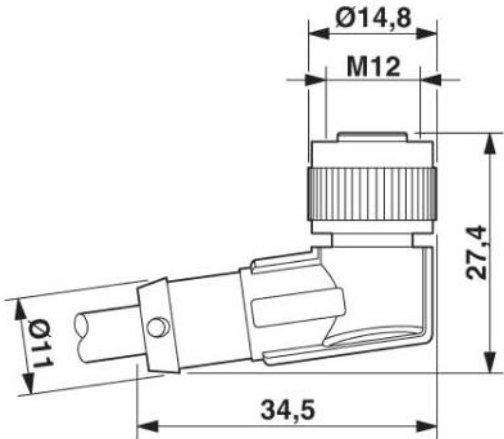
Product standard, M12 connector	IEC 61076-2-101
UL-listed, E-File	E249137

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260842EN Version: 05	Page 2 of 3
---	---------------------------------------	-------------

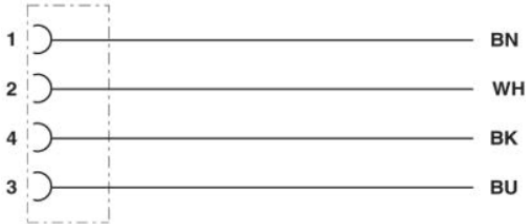
22260842	<b>DATA SHEET</b>	
Valid from: 12.09.2019	AB-C4-(L*)PVC-M12FA	

**Drawings**

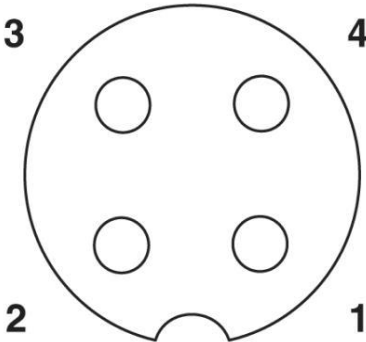
**Dimensioned drawing, M12 connector**



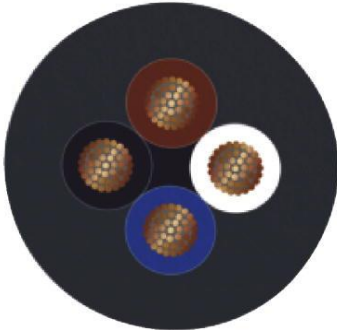
**Wiring diagram**



**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: DB22260842EN Version: 05	Page 3 of 3
---	---------------------------------------	-------------