

22260778	DATA SHEET	
Valid from: 24.01.2024	AB-PC4-M12MS-(L*)PUR	

Product description

- Sensor/actuator cable, 4-pol, PUR halogen-free, black
- Straight M12-plug on free conductor end



General characteristics

Number of pins	4
Ambient temperature	-25 °C to +90 °C (-13°F to 194°F) (plug / jack) -25 °C to +80 °C (-13°F to 176°F) (cable, fixed installation) -5 °C to +80 °C (23°F to 176°F) (cable, movable installation)
Degree of protection	IP65 / IP67
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22260778	AB-PC4-M12MS-2,0PUR	2	straight
22260779	AB-PC4-M12MS-5,0PUR	5	straight
22260780	AB-PC4-M12MS-10,0PUR	10	straight

Additional note

Data sheet also valid for variant lengths. Other lengths on request.

Electrical properties

Rated voltage	250 V
Rated current at 40 °C	4 A
Overvoltage category	II
Pollution degree	3

Mechanical properties

Plug

Inflammability class in accordance with UL 94	HB
Contact, material	CuSn
Contact carrier, material	TPU GF
Contact surface, material	Ni/Au
Knurl, material	Zinc diecasting, nickel-plated
Handle, material	TPU, flame retardant, self-extinguishing

Line

Cable construction	4 x AWG18/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,75 mm ² (Poewr line)
Conductor diameter including isolation	1,75 mm ± 0,02 mm

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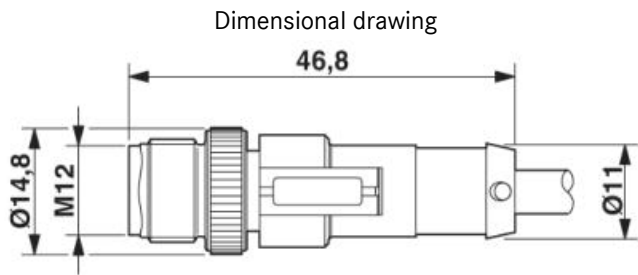
Cable outer diameter D	5,9 mm ± 0,15mm
Insulation color	brown, white, blue, black
Sheath color	grey-black, RAL 7021
Number of bending cycles	2.000.000
Bending radius	59 mm
Traveling distance	5 m
Traveling speed	3 m/s
Acceleration	5 m/s²
Cable weight	57 kg/km
Outer coating, material	PUR
Wire insulation, material	PVC
Insulation resistance	≥ 1 MΩ*km (bei 20 °C)
Conductor resistance	≤ 26 Ω/km (bei 20 °C)
Flame resistance	acc. to UL 758/1581 FT2 UL 758/1581 (horizontal)
Oil resistance	acc. to DIN EN 60811-2-1, 168h at 100 °C
Other resistances	resistant to hydrolysis and microbes resistant to Sea water low adhesion abrasion resistance

Standards/Approvals

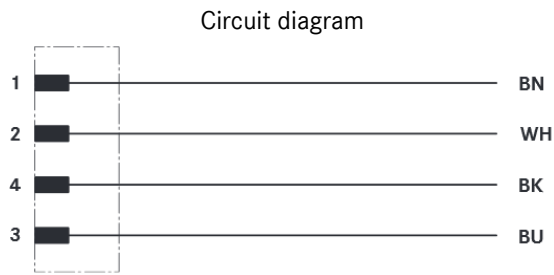
Product standard, M12 connector	IEC 61076-2-101
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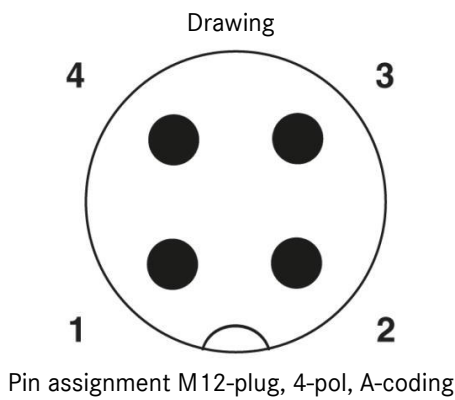
Technical drawing



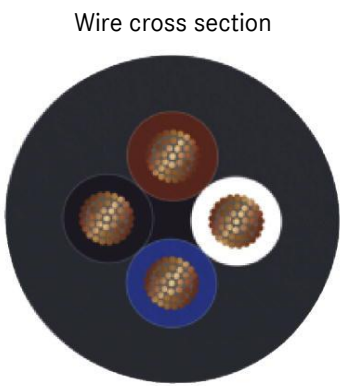
Plug M12, straight



Pin assignment M12-plug



Pin assignment M12-plug, 4-pol, A-coding



Application range

For increased mechanical load and rough operating conditions

Note

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