


22260324	DATA SHEET	
Valid from: 21.12.2023	AB-C4-(L*)PUR-M12FA	

Product description

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



General characteristics

Number of pins	4
Ambient temperature	-25 °C to +90 °C (plug / jack) -40 to +80 °C (cable, fixed installation) -25 to +80 °C (cable, movable installation)
Degree of protection	IP 65 / IP 67 / IP 68
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article	Description	Length [m]	Configuration
22260385	AB-C4-0,5PUR-M12FA	0,5	angled
22262233	AB-C4-1,0PUR-M12FA	1	angled
22260324	AB-C4-2,0PUR-M12FA	2	angled
22260147	AB-C4-3,0PUR-M12FA	3	angled
22260325	AB-C4-5,0PUR-M12FA	5	angled
22260341	AB-C4-10,0PUR-M12FA	10	angled
22260686	AB-C4-15,0PUR-M12FA	15	angled
22260828	AB-C4-20,0PUR-M12FA	20	angled
22262167	AB-C4-25,0PUR-M12FA	25	angled
22262168	AB-C4-30,0PUR-M12FA	30	angled
22262169	AB-C4-50,0PUR-M12FA	50	angled

Additional note

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

Electrical properties


Rated voltage	250 V
Rated current	4 A
Overvoltage category	II
Pollution degree	3

Mechanical properties

Jack

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

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Handle, material
Sealing, material

TPU, flame retardant, self-extinguishing
NBR


Line

Cable construction	4 x AWG22 / 42
Signal line, construction	42 x 0,10 mm
Conductor cross-section	0,34 mm ²
Conductor diameter including isolation	1,27 mm ± 0,02 mm
Cable outer diameter	4.7 mm
Insulation color	brown, white, blue, black
Sheath color	grey-black, RAL 7021
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexing	10 x D
Minimum bending radius, drag chain use	10 x D
Number of bending cycles	10.000.000
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	30 kg/km
Wire insulation, material	PP
Outer coating, material	PUR
Insulation resistance	≥ 1 GΩ*km
Conductor resistance	≤ 58 Ω/km
Flame resistance	acc. to UL 758 / 1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Part 815 DIN EN 50267-2-1
Oil resistance	acc. to DIN EN 60811-2-1
Other resistances	resistant to hydrolysis and microbes good resistant to acids, lyes and solvents limited UV resistance acc. to DIN EN ISO 4892-2-A low-adhesion abrasion-resistant

Standards/Approvals

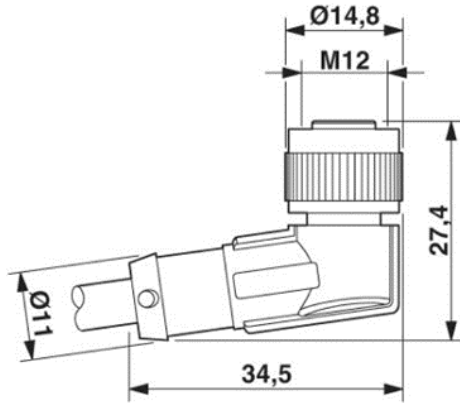
Product standard, M12 connector	IEC 61076-2-101
UL-Listed, E-File	E249137

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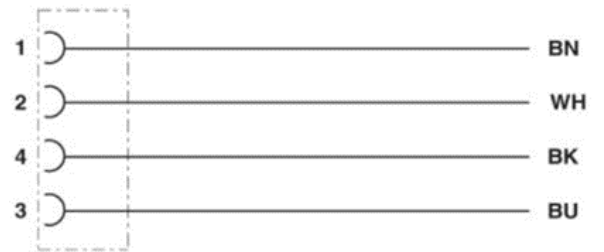
Technical drawing

Dimensional drawing



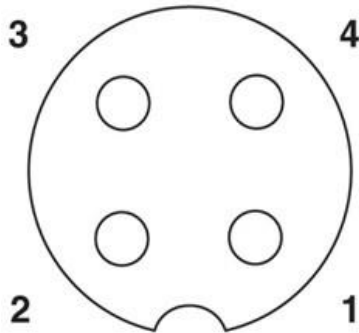
Jack M12 x 1, angled

Circuit diagram



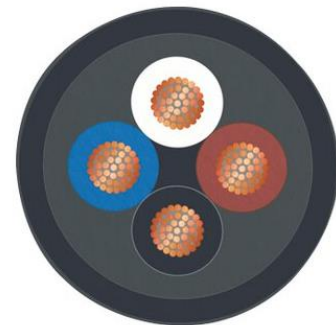
Pin assignment from M12-jack

Drawing



Pin assignment M12-jack, 5 pol, A-coding

Wire cross section



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.

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