

22260402	DATA SHEET	
Valid from: 21.12.2023	AB-C5-M12MA-(L*)PUR	

Product description

- Sensor/actuator cable, 5-pol, PUR halogen-free, black
- Angled M12-plug on free conductor end



General characteristics

Number of pins	5
Ambient temperature	-25 °C bis +90 °C (-13°F bis 194°F) (plug / jack) -40 °C bis +80 °C (-40°F bis 176°F) (cable, fixed installation) -25 °C bis +80 °C (-13°F bis 176°F) (cable, movable installation)
Degree of protection	IP65 / IP67 / IP68
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22260402	AB-C5-M12MA-2,0PUR	2	angled
22260403	AB-C5-M12MA-5,0PUR	5	angled
22260417	AB-C5-M12MA-10,0PUR	10	angled

Additional note

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

Electrical properties

Rated voltage	48 V AC / 60 V DC
Rated current	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	5 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,25 mm ²

Creator: THLE3/PDP Released: IVSE1/PDP	Document: DB22260400EN Version: 06	Page 1 of 3
---	---------------------------------------	-------------

22260402	DATA SHEET	
Valid from: 21.12.2023	AB-C5-M12MA-(L*)PUR	

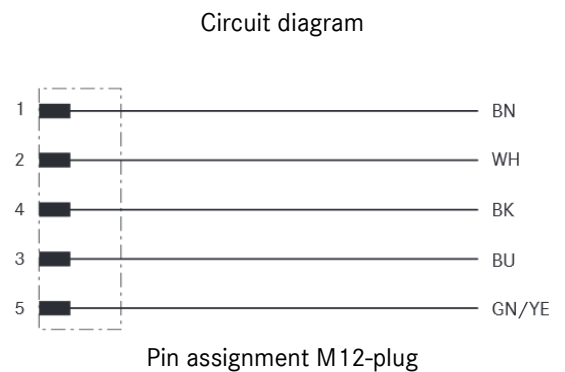
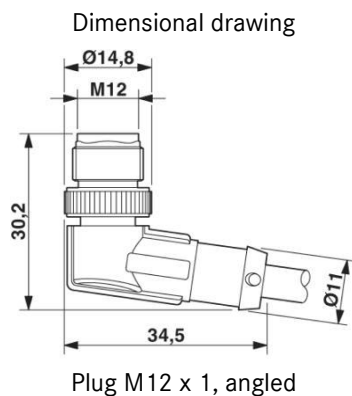
Conductor diameter including isolation	1,27 mm $\pm$ 0,02 mm
Cable outer diameter D	5,0 mm $\pm$ 0,15mm
Insulation color	brown, white, blue, black, green/yellow
Sheath color	grey-black, RAL 7021
Number of bending cycles	10.000.000
Bending radius	50 mm
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	33 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	$\geq 16 \text{ G}\Omega \cdot \text{km}$ (bei 20 °C)
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$ (bei 20 °C)
Flame resistance	acc. to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Part 815
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

Standards/Approvals

Product standard, M12 connector
UL-Listed, E-File

IEC 61076-2-101
E249137

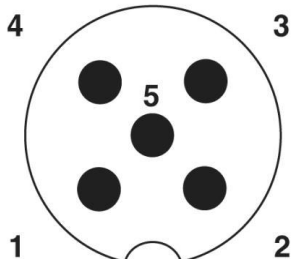
Technical drawing



Creator: THLE3/PDP Released: IVSE1/PDP	Document: DB22260400EN Version: 06	Page 2 of 3
---	---------------------------------------	-------------

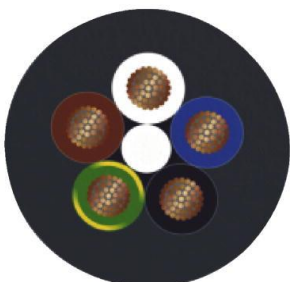
22260402	DATA SHEET	
Valid from: 21.12.2023	AB-C5-M12MA-(L*)PUR	

Drawing



Pin assignment M12-plug, 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.