

22262043	DATA SHEET	
Valid from: 17.09.2018	AB-C4-2,0TPE-M12FS-HD	

Description

- Sensor/Actuator cable, 4-pins, A-coded
- Straight M12-jack on free conductor end
- Suitable for dragchain



General characteristics

Number of pins	4
Status indicator	No
Coding	A-standard
Degree of protection	IP 65 / IP 67 / IP 68 / IP 69K
Tightening torque	0.4 Nm (M12-plug)
Ambient temperature (operation)	-40 to +105 °C (-40 to 221 °F) (connector) -40 to +105 °C (-40 to 221 °F) (cable fixed installation) -25 to +105 °C (-13 to 221 °F) (cable flexible)

Variation

Article	Description	Length [m]
22262043	AB-C4-2,0TPE-M12FS-HD	2
22262044	AB-C4-5,0TPE-M12FS-HD	5
22262062	AB-C4-7,5TPE-M12FS-HD	7,5
22262045	AB-C4-10,0TPE-M12FS-HD	10
22262063	AB-C4-15,0TPE-M12FS-HD	15

Electrical properties

Rated voltage	250 V
Rated current at 40 °C	4 A
Overvoltage category	II
Pollution degree	3
Insulation resistance (min.)	100 MΩ
Conductor resistance at 20 °C	58 Ω/km
Test voltage (min.)	3000 V AC (Spark test)

Mechanical properties

Jack

Contact	CuSn
Contact surface	Ni/Au
Contact carrier	PP
Knurl	Stainless steel
Handle	PP
Number of mating cycles (min.)	100

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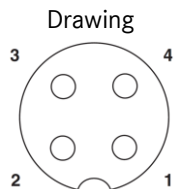
Line

Cable type	PP halogen free grey
Cable abbreviation	Li9Y9Y
Conductor diameter including insulation	1.27 mm ±0.02 mm
Cable outer diameter	4.7 mm ±0.15 mm
Conductor cross section	4 x 0.34 mm ² (signal line)
AWG signal line	22
Conductor structure signal line	42 x 0.10 mm
Thickness, insulation (min.)	0.21 mm (Core insulation)
Core identification	Brown, white, blue, black
Sheath colour	grey, similar to RAL 7035
Bending radius	47 mm (flexible installation) 23.5 (fixed installation)
Number of bending cycle	4000000
Traveling distance	10 m
Travel speed	3 m/s
Acceleration	10 m/s ²
Cable weight	30 kg/km
Outer coating, material	PP-EPDM
Wire insulation, material	PP
Conductor, material	Bare Cu litz wire
Special properties	FDA compliant acc. to FDA 21 CFR 177.2600
Halogen-free	acc. to DIN VDE 0472 part 815

Standard

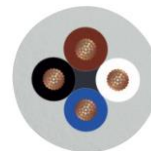
M12-plug	IEC61076-2-101
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Technical drawing



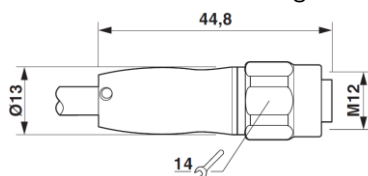
Pin assignment M12-jack, 4-pos., A-coding

Wire cross section



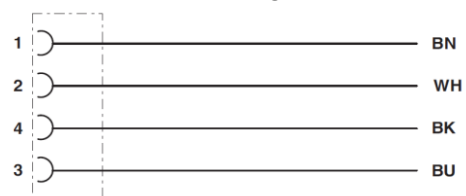
PP grey, halogen free

Dimensional drawing



M12x1-jack, straight, shielded

Circuit diagram



Contact assignment M12-plug and M12-jack

Application range

Food production and packaging machinery

Note

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

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