


# Data cable - SAC-4P-M12MS/10,0-140 - 1502691

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Data cable, 4-position, PUR/PVC, yellow, Plug straight M12, A-coded, on free cable end, cable length: 10 m



## Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 816926
GTIN	4017918816926

## Technical data

### Dimensions

Length of cable	10 m
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### Ambient conditions

Degree of protection	IP65
	IP67
	IP68

### General

Rated current at 40°C	4 A
Rated voltage	250 V AC
	250 V DC
Number of positions	4
Status display	No
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

### Material

Flammability rating according to UL 94	HB
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### Standards and Regulations

Flammability rating according to UL 94	HB
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### Cable

Cable type	PUR/PVC yellow
Cable type (abbreviation)	140

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## Technical data

### Cable

Cable abbreviation	LiYY-11Y
UL AWM style	20549
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.5 mm ±0.05 mm
Thickness, insulation	approx. 0.3 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
	approx. 0.35 mm (Inner sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
External sheath, color	yellow
External cable diameter D	5.2 mm ±0.2 mm
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	2000000
Bending radius	52 mm
Traversing path	5 m
Traversing rate	3 m/s
Cable weight	39 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Conductor resistance	max. 58 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 3000 V
Flame resistance	in accordance with DIN UL-Style 20549
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

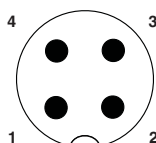
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings

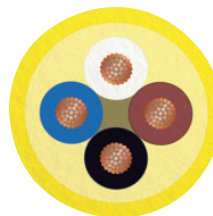
# Data cable - SAC-4P-M12MS/10,0-140 - 1502691

Schematic diagram



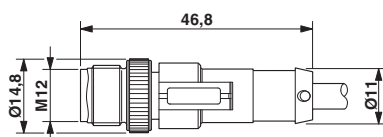
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Cable cross section



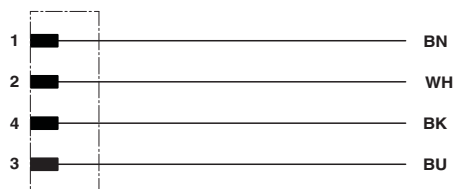
PUR/PVC yellow [140]

Dimensional drawing



Plug, M12 x 1, straight, shielded

Circuit diagram



Contact assignment of M12 plugs / sockets bridged

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed


Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN	300 V		
Nominal current IN	4 A		

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cULus Listed	
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