

# Connection cable

## V1-G-E2-1M-PUR-V1-G

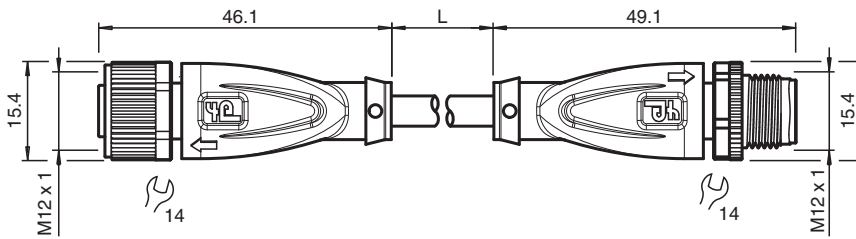


- Built-in LED, as operating and function indicator
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight A-coded LED 3-pin to M12 plug straight A-coded 3-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

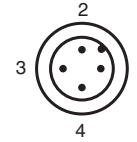
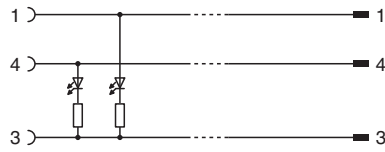
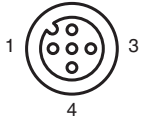
<b>Connector 1</b>			
Connection		socket	
Construction type		M12	
Style		straight	
Locking		screw connection	
Number of pins		3	
Coding		A-coded	
<b>Connector 2</b>			
Connection		plug	
Construction type		M12	
Style		straight	
Locking		screw connection	
Number of pins		3	
Coding		A-coded	
<b>Indicators/operating means</b>			
LED green		Operating display	
LED yellow		Functional display pin 4	
<b>Electrical specifications</b>			
Operating voltage	$U_B$	max. 24 V DC -20 % / +25 %	
Operating current	$I_B$	max. 4 A	
<b>Conformity</b>			
Degree of protection		EN 60529	
Plug connection		connector M12 x 1 : IEC 61076-2-101	

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## Technical Data

Halogen-free		IEC 60754-1
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque		0.6 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Degree of protection		IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		4.8 mm
Bending radius		> 10 x cable diameter, moving > 8 x cable diameter, fixed
Sheath stripping force		max. 60 N / 500 mm
Sheath color		grey (similar to RAL 7001)
Number of cores		3
Core cross section		0.34 mm <sup>2</sup>
Cores color		Core 1: brown Core 3: blue Core 4: black
Core construction		19 x 0.15 mm Ø
Length	L	1 m
Cable code		Li 9Y 11YM 3 x 0.34
<b>Drag chain suitability</b>		
Drag chain cycles		max. 50 / day
Motion velocity		max. 0.3 m/s
<b>Material</b>		
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, transparent/black
Seal		FKM
Contact surface		gold plated (Au)
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Chemical resistance		good
Microbial resistance		yes
Hydrolysis resistance		yes

## Connection



## Accessories

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors