

# Connection cable, shielded

## V19-G-BK10M-PUR-U/ABG-V19-W

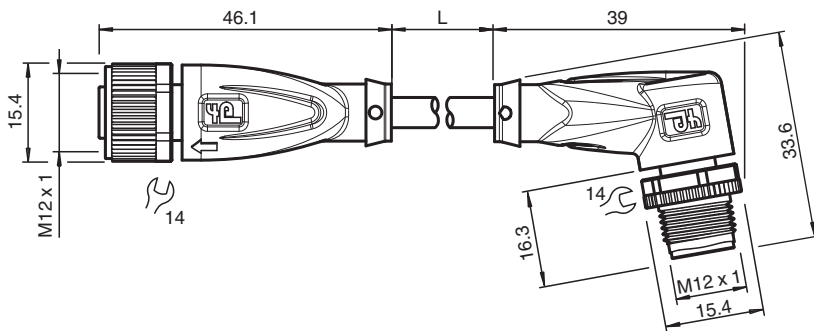


- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug angled A-coded, 8-pin, PUR cable black, shielded, UL-approved, drag chain suitable



### Dimensions



### Technical Data

General specifications			
<b>Connector 1</b>			
Connection		socket	
Construction type		M12	
Style		straight	
Locking		screw connection	
Number of pins		8	
Coding		A-coded	
<b>Connector 2</b>			
Connection		plug	
Construction type		M12	
Style		angled	
Locking		screw connection	
Number of pins		8	
Coding		A-coded	
Electrical specifications			
Operating voltage	$U_B$	max. 30 V AC/DC	
Operating current	$I_B$	max. 2 A	
Conformity			
Degree of protection		EN 60529	

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		UL 1581; DIN EN 60332-2-2
Halogen-free		IEC 60754-1
Microbial resistance		EN 50363
Hydrolysis resistance		EN 50363
<b>Approvals and certificates</b>		
UL approval		AWM STYLE 20549 I/II A/B 80°C 300V FT2 (cable)
UL File Number		E231213
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 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
Shielding		shield connected to screw connection
Degree of protection		IP68 / IP69
Cable		
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath stripping force		max. 80 N / 300 mm
Sheath color		black (similar to RAL 9005)
Number of cores		8
Core cross section		0.25 mm <sup>2</sup>
Coors color		Core 1: white Core 2: brown Core 3: green Core 4: yellow Core 5: grey Core 6: pink Core 7: blue Core 8: red
Core construction		32 x 0.1 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	10 m
Cable code		Li 9Y C 11Y 8 x 0,25
Drag chain suitability		
Drag chain cycles		min. 5000000
Motion velocity		max. 3 m/s
Traverse distance		max. 5 m
Acceleration		max. 5 m/s <sup>2</sup>
<b>Material</b>		
PWIS free		yes
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		FKM
Contact surface		gold plated (Au)
Flammability		V-2

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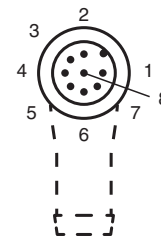
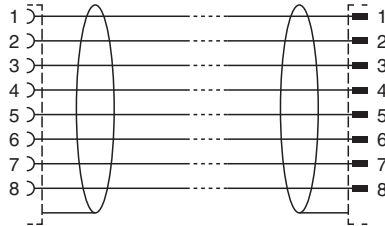
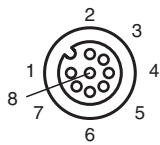
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## Technical Data

Cable	
Sheathing	PUR based on polyether
Core insulation	PP
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

## 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

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