

Cable socket, shielded

V318-GM-BK3M-PUR-U2S

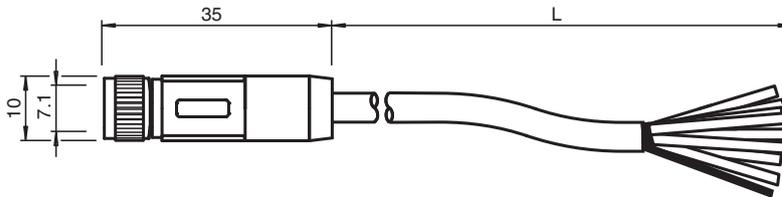


- Degree of protection IP65 / IP67
- Resistant to microbes and hydrolysis
- UV resistant
- Halogen-free
- Shield connected to screw connection
- Image and drawing are generic for this device type and may deviate from the specific variant

Female cordset single-ended M8 straight A-coded, 8-pin, PUR cable black, shielded



Dimensions



Technical Data

General specifications			
Connector 1			
Connection		socket	
Construction type		M8	
Style		straight	
Locking		screw connection	
Number of pins		8	
Coding		A-coded	
Connector 2			
Connection		cable end	
Electrical specifications			
Operating voltage	U_B	max. 30 V AC/DC	
Operating current	I_B	max. 1.5 A	
Conformity			
Degree of protection		EN 60529	
Plug connection		connector M8 x 1 : IEC 61076-2-104	
Flammability		UL 758 / 1581	
Halogen-free		DIN VDE 0472-815 DIN EN 50267-2-1	
UV resistance		DIN EN ISO 4892-2-A	
Microbial resistance		EN 50363	
Hydrolysis resistance		EN 50363	
Oil resistance		DIN EN 60811-2-1	
Ambient conditions			

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

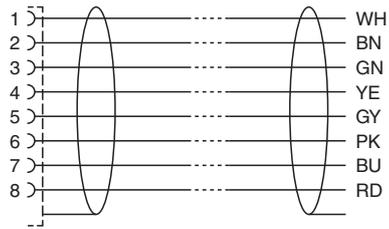
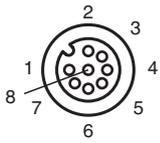
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

Technical Data

Ambient temperature		
Plug connector		-25 ... 85 °C (-13 ... 185 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.2 Nm
Tool installation		straight knurling
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65 / IP67
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		5.9 mm
Bending radius		59 mm , movable installation 29.5 mm , fixed installation
Sheath color		black (similar to RAL 7021)
Number of cores		8
Core cross section		0.14 mm ²
Cores 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		18 x 0.1 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	3 m
Cable code		Li 9Y C 11Y 8 x 0,14
Mass		148 g
Material		
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		NBR
Contact surface		gold plated (Au)
Flammability		HB
Cable		
Sheathing		PUR
Cores		bare copper (Cu)
Core insulation		PP
UV resistance		yes
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2
General information		
Cable marking sleeve		2x PUR transparent , fixed to cable

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Connection Assignment



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