

Cable socket, shielded

V318-GM-BK5M-PUR-U2S

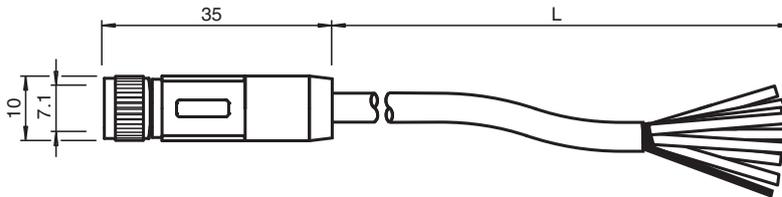


- Degree of protection IP65 / IP67
- Resistant to microbes and hydrolysis
- UV resistant
- Halogen-free
- Shield connected to screw connection
- Image and drawing are generic for this device type and may deviate from the specific variant

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".

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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	5 m
Cable code		Li 9Y C 11Y 8 x 0,14
Mass		153 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

