

## Cable socket, shielded

### V318-GM-BK5M-PUR-U2S

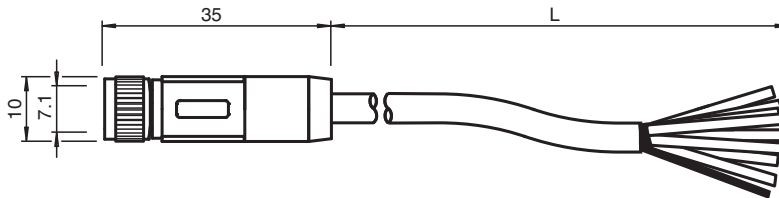


- Degree of protection IP65 / IP67
- Resistant to microbes and hydrolysis
- UV resistant
- Halogen-free
- Shield connected to screw connection
- Image and drawing are generic for this device type and may deviate from the specific variant

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

Release date: 2024-09-10 Date of issue: 2024-09-10 Filename: 70162248\_eng.pdf

## Technical Data

Ambient temperature		
Plug connector		-25 ... 85 °C (-13 ... 185 °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		0.2 Nm
Tool installation		straight knurling
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65 / IP67
Cable		
Sheath diameter		5.9 mm
Bending radius		59 mm , moving 29.5 mm , fixed
Sheath color		black (similar to RAL 7021)
Number of cores		8
Core cross section		0.14 mm <sup>2</sup>
Coresh 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
<b>Material</b>		
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
Core insulation		PP
UV resistance		yes
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

## Connection Assignment

