

Cable socket, shielded

V318-GM-BK3M-PUR-U2S

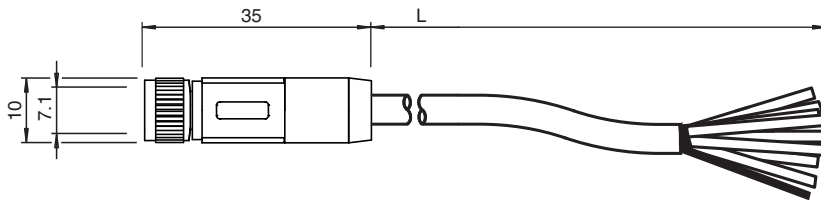


- Degree of protection IP65 / IP67
- Resistant to microbes and hydrolysis
- UV resistant
- Halogen-free
- Shield connected to screw connection
- Image and drawing are generic for this device type and may deviate from the specific variant

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

Release date: 2023-09-11 Date of issue: 2023-09-11 Filename: 70162244_eng.pdf

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

PEPPERL+FUCHS

Technical Data

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		
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
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		
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 ²
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		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
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
Core insulation		PP
UV resistance		yes
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

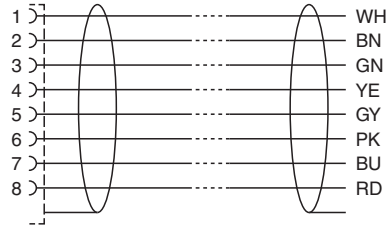
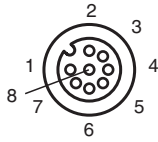
Release date: 2023-09-11 Date of issue: 2023-09-11 Filename: 70162244_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.comUSA: +1 330 486 0001
fa-info@us.pepperl-fuchs.comGermany: +49 621 776 1111
fa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Connection Assignment



Release date: 2023-09-11 Date of issue: 2023-09-11 Filename: 70162244_eng.pdf