



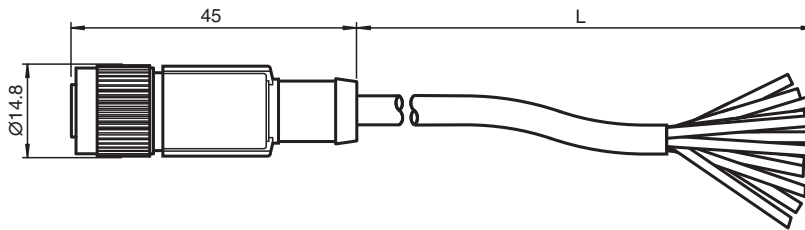
## Cable socket, shielded V112-G-BK5M-PUR-ABG

- Suitable for drag chains and abrasion resistant
- Degree of protection IP65 / IP67 / IP68
- Resistant to microbes and hydrolysis
- Halogen-free
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Female cordset single-ended M12 straight A-coded, 12-pin, PUR cable black, shielded



### Dimensions



### Technical Data

#### General specifications

<b>Connector 1</b>	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	12
Coding	A-coded
<b>Connector 2</b>	
Connection	cable end

#### Electrical specifications

Operating voltage	$U_B$	30 V
Operating current	$I_B$	1.5 A

#### Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101
Flammability	IEC 60332-1-2 / DIN VDE 0472 T.804, test type B
Microbial resistance	EN 50396 / DIN VDE 0282-10
Hydrolysis resistance	EN 50396 / DIN VDE 0282-10
Oil resistance	DIN EN 60811-2-1 / DIN VDE 0472 T.803, test type B

#### Ambient conditions

<b>Ambient temperature</b>	
Plug connector	-25 ... 85 °C (-13 ... 185 °F)
Cable, fixed	-30 ... 80 °C (-22 ... 176 °F)

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

## Technical Data

Cable, flexing		-5 ... 80 °C (23 ... 176 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65/IP67/IP68
Cable		
Sheath diameter		8.5 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath color		black (similar to RAL 9005)
Number of cores		12
Core cross section		0.14 mm <sup>2</sup>
Cores color		Core 1: brown Core 2: blue Core 3: white Core 4: green Core 5: pink Core 6: yellow Core 7: black Core 8: grey Core 9: red Core 10: violet Core 11: grey/pink Core 12: red/blue
Core construction		18 x 0.1 mm Ø twisted pairs
Shield		tinned copper braiding, 85 % coverage
Length	L	5 m
Cable code		LSPYwC11Y
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		10 m
Acceleration		max. 10 m/s <sup>2</sup>
Mass		472 g
<b>Material</b>		
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		NBR
Contact surface		Ni/Au
Flammability		V-0
Cable		
Sheathing		PUR
Core insulation		PVC
Flammability		VW-1

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## Connection Assignment

