

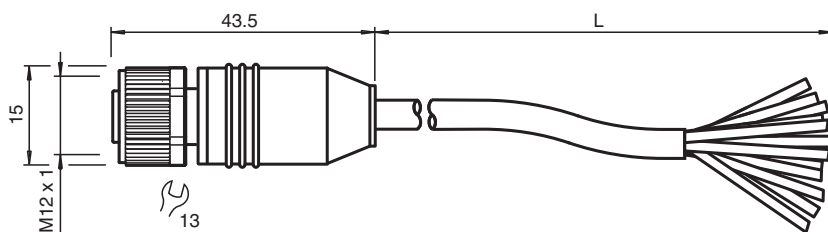
## Cable socket, shielded V112-G-BK2M-PUR-ABG

- Suitable for drag chains and abrasion resistant
- Degree of protection IP65 / IP67
- 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, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

Connector 1	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	12
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 M12 x 1 : IEC 61076-2-101
Flammability	UL 1581; DIN EN 60332-2-2
Microbial resistance	EN 50396 / DIN VDE 0282-10
Hydrolysis resistance	EN 50396 / DIN VDE 0282-10
Oil resistance	DIN EN 60811-404

#### Ambient conditions

Ambient temperature	
Plug connector	-25 ... 85 °C (-13 ... 185 °F)

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 70155689\_eng.pdf

## Technical Data

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		0.6 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 13 mm
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65/IP67
Cable		
Sheath diameter		6.5 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
Shield		tinned copper braiding, 80 % coverage
Length	L	2 m
Cable code		LSPYwC11Y
Drag chain suitability		
Drag chain cycles		max. 5000000
Motion velocity		max. 3.3 m/s
Acceleration		max. 5 m/s <sup>2</sup>
Torsion cycles		max. 2000000
Torsional stress		± 30 °/m
Mass		226 g
<b>Material</b>		
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		PUR, black
Seal		FKM
Contact surface		gold plated (Au)
Flammability		V-0
Cable		
Sheathing		PUR
Core insulation		PP
Chemical resistance		good
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 70155689\_eng.pdf

## Connection Assignment

