

## Adapter cable

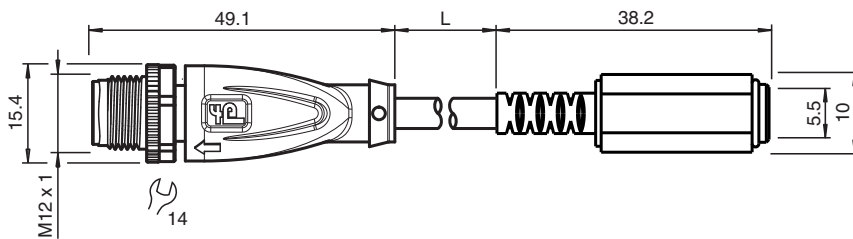
### V1S-G-BK0,5M-PUR-U-YDCJACK

- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Adapter cable M12 plug straight A-coded 4-pin to DC socket straight 2-pin, PUR cable black, drag chain suitable, torsion resistant



## Dimensions



## Technical Data

### General specifications

Connector 1	
Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4
Coding	A-coded
Connector 2	
Connection	socket
Construction type	DC, pin Ø 2.1 mm
Style	straight
Locking	snap locking
Number of pins	2

### Electrical specifications

Operating voltage	$U_B$	max. 24 V DC
Operating current	$I_B$	max. 4 A

### Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101
Halogen-free	DIN VDE 0472-815 DIN EN 50267-2-1

### Ambient conditions

Ambient temperature	
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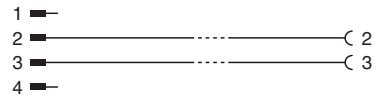
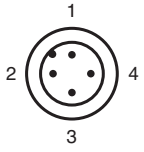
## Technical Data

Connector 1		-40 ... 90 °C (-40 ... 194 °F)
Connector 2		-25 ... 85 °C (-13 ... 185 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 176 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Connector 1		
Tightening torque		0.6 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Degree of protection		IP68 / IP69
Connector 2		
Degree of protection		IP20
Cable		
Sheath diameter		4.3 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 80 N / 300 mm
Sheath color		black (similar to RAL 9005)
Number of cores		4
Core cross section		0.34 mm <sup>2</sup>
Cores color		Core 1: not used Core 2: white Core 3: blue Core 4: not used
Core construction		42 x 0.1 mm Ø
Length	L	0.5 m
Cable code		Li 9Y 11Y 4 x 0.34
Drag chain suitability		
Drag chain cycles		min. 5000000
Motion velocity		max. 3.3 m/s
Traverse distance		max. 5 m
Acceleration		max. 5 m/s <sup>2</sup>
Torsion cycles		min. 1000000
Torsional stress		± 180 °/m
Mass		178 g
<b>Material</b>		
PWIS free		yes
Halogen-free		yes
Connector 1		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		Au
Flammability		V-2
Connector 2		
Body		PE
Contact surface		CuSn
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
UV resistance		yes
Chemical resistance		good
Oil resistance		yes

**Technical Data**

Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

**Connection**



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