

# Cable connector, shielded

## V15S-G-BK3M-PUR-O2/CAN

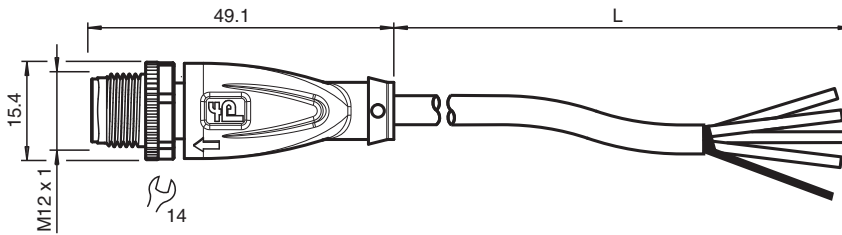


- Suitable for DeviceNet and CANopen
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- UV resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Shield connected to pin 1
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

DeviceNet/CANOpen bus cable male cordset single-ended M12 straight A-coded 5-pin, PUR cable 4-core twisted pairs black, shielded, UL approved, drag chain suitable, outdoor



### Dimensions



### Technical Data

#### General specifications

<b>Connector 1</b>	
Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	5
Coding	A-coded
<b>Connector 2</b>	
Connection	cable end

#### Electrical specifications

Operating voltage	$U_B$	max. 48 V AC / 60 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
Flammability	UL 1581 , IEC 60332-1-2
Halogen-free	IEC 60754-1
Chemical resistance	DIN EN 60811-2-1
Microbial resistance	DIN EN 50525-2-21 / DIN VDE 0282-10
Hydrolysis resistance	DIN EN 50525-2-21

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## Technical Data

Oil resistance		DIN EN 60811-2-1
<b>Approvals and certificates</b>		
UL approval		AWM STYLE 21924/11558 105°C 300V AWM I A/B 105°C 300V FT2 (cable)
UL File Number		E231213
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing		-30 ... 105 °C (-22 ... 221 °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 = 14 mm
Mating cycles		min. 100
Shielding		shield connected to pin 1 and screw connection
Degree of protection		IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, single bend
Sheath stripping force		max. 80 N / 500 mm
Sheath color		black (similar to RAL 9005)
Number of cores		4
Core cross section		0.34 mm <sup>2</sup>
Cores color		Core 2: red Core 3: black Core 4: white Core 5: blue
Core construction		19 x 0.15 mm Ø twisted pairs
Shield		tinned copper braiding, 85 % coverage
Length	L	3 m
Cable code		Li 9Y C11Y 2 x 2 x 0,34
<b>Drag chain suitability</b>		
Drag chain cycles		min. 3000000
Motion velocity		max. 2.5 m/s
Traverse distance		0.51 m
Acceleration		max. 12 m/s <sup>2</sup>
<b>Material</b>		
PWIS free		yes
Halogen-free		yes
<b>Plug connector</b>		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		gold plated (Au)
Flammability		V-2
<b>Cable</b>		
Sheathing		PUR based on polyether
Core insulation		PP
Salt water resistance		yes
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes

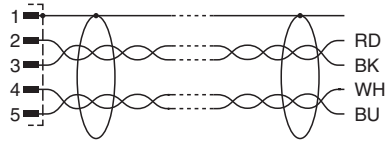
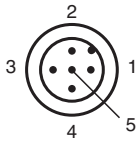
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## Technical Data

Flammability

FT2

## Connection



## Accessories

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors