

Connection cable, shielded

V15-W-BK0,3M-PUR-O2/CAN-V15-G

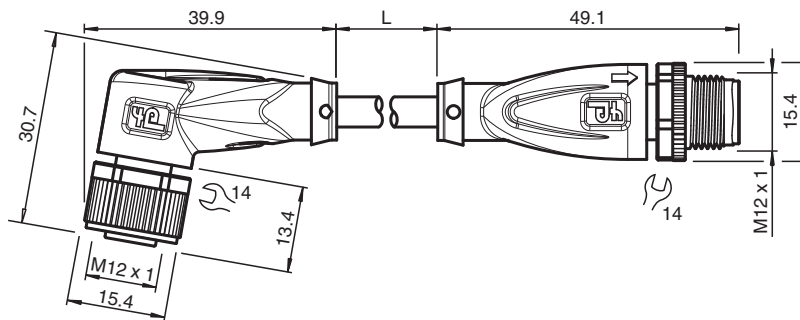


- Suitable for DeviceNet and CANopen
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- UV resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Shield connected to pin 1
- Shield connected to screw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

DeviceNet/CANOpen bus cable M12 socket angled to M12 plug straight A-coded, 5-pin, PUR cable 4-core twisted pairs black, shielded, UL approved, drag chain suitable, outdoor



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		5
Coding		A-coded
Connector 2		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		5
Coding		A-coded

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A

Conformity

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

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Technical Data

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	
Oil resistance	DIN EN 60811-2-1	
Approvals and certificates		
UL approval	AWM STYLE 21924/11558 105°C 300V AWM I A/B 105°C 300V FT2 (cable)	
UL File Number	E231213	
Ambient conditions		
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	
Mechanical specifications		
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		
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 ²	
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	0.3 m
Cable code	Li 9Y C11Y 2 x 2 x 0,34	
Drag chain suitability		
Drag chain cycles	min. 3000000	
Motion velocity	max. 2.5 m/s	
Traverse distance	0.51 m	
Acceleration	max. 12 m/s ²	
Material		
PWIS free	yes	
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Seal	FKM	
Contact surface	gold plated (Au)	

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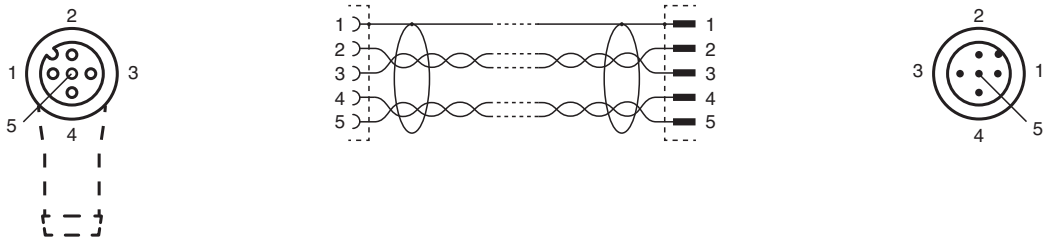
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Technical Data

Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Salt water resistance	yes
Oil resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection



Accessories

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

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