

Connection cable

V15-W-VT1M-PUR-U/CAN-V15-G

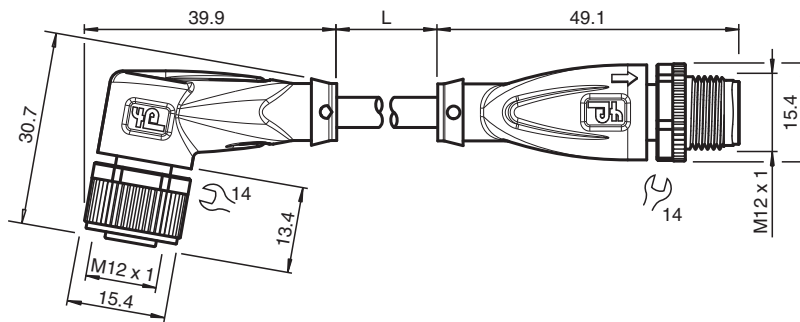


- Suitable for DeviceNet and CANopen
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

DeviceNet/CANOpen bus cable M12 socket angled to M12 plug straight A-coded, 5-pin, PUR cable violet, shielded, UL approved, drag chain suitable, salt water resistant



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
Test voltage		core/core: 3000 V (1 min) core/shield: 3000 V (1 min)
Operating current	I_B	max. 4 A
Characteristic impedance		120 Ω $\pm$ 12 Ω (1 MHz)

Release date: 2024-05-22 Date of issue: 2024-05-22 Filename: 70137144_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101
Flammability	IEC 60332-1-2 / UL 2556 / ISO 6722-1 5.22 (UN ECE-R 118.01)
Halogen-free	IEC 60754-1
Chemical resistance	DIN EN 60811-2-1
Oil resistance	DIN EN 60811-2-1

Approvals and certificates

UL approval	CMX listed (cable)
UL File Number	E231213

Ambient conditions

Ambient temperature	
Plug connector	-25 ... 90 °C (-13 ... 194 °F)
Cable, fixed	-20 ... 80 °C (-4 ... 176 °F)
Cable, flexing	-20 ... 80 °C (-4 ... 176 °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	according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter	6.1 mm
Bending radius	> 8 x cable diameter, moving > 4 x cable diameter, fixed
Sheath stripping force	max. 60 N / 100 mm
Sheath color	violet (similar to RAL 4001)
Number of cores	4
Core cross section	0.34 mm ²
Cores color	Core 1: red Core 2: black Core 3: white Core 4: blue
Core construction	7 x 0.254 mm Ø twisted quad
Shield	tinned copper braiding, 80 % coverage
Length	L 1 m
Cable code	Li 9Y 11Y 4 x 0.34
Drag chain suitability	
Drag chain cycles	min. 3000000
Motion velocity	max. 2.5 m/s
Acceleration	max. 12 m/s ²
Mass	79.64 g

Material

Halogen-free	yes
Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Seal	FKM
Contact surface	gold plated (Au)
Flammability	V-2
Cable	

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Technical Data

Sheathing	PUR based on polyether
Core insulation	PP
Salt water resistance	yes
Oil resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	VW-1 complies with UN ECE-R 118.01

Connection

