

Connection cable

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

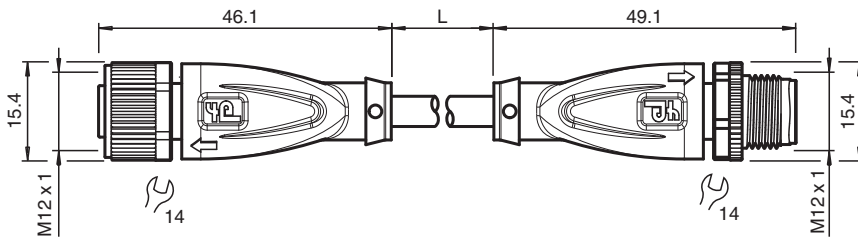


- Suitable for DeviceNet and CANopen
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

DeviceNet/CANOpen bus cable M12 socket straight 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		straight
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)

Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101

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Technical Data

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		
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	
Coresh 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	80.96 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		
Sheathing	PUR based on polyether	
Core insulation	PP	
Salt water resistance	yes	

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Technical Data

Oil resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	VW-1 complies with UN ECE-R 118.01

Connection

