

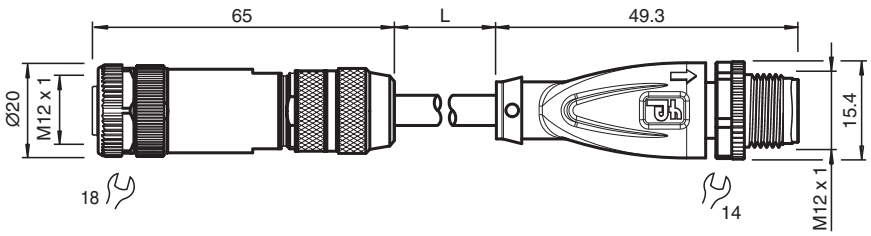
Adapter cable

V1B-G-BK40M-PUR-U/0,75-V1-G-Y1

- Suitable for drag chains and abrasion resistant
- Degree of protection IP67
- Resistant to microbes and hydrolysis
- UL listed for USA and Canada
- UV resistant
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Adapter cable M12 socket straight B-coded 5-pin to M12 plug straight A-coded 4-pin, PUR cable black, UL approved, drag chain suitable

Dimensions



Technical Data

General specifications		
Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		5
Coding		B-coded
Connector 2		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded
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
Halogen-free		IEC 60754-1
Lead-free		RoHS directive 2011/65/EU

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Technical Data

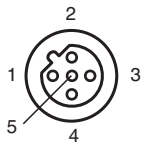
Approvals and certificates		
UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)
UL File Number		E231213
Ambient conditions		
Ambient temperature		
Connector 1		-40 ... 85 °C (-40 ... 185 °F)
Connector 2		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Connector 1		
Tightening torque		0.6 Nm
Tool installation		straight knurling , hexagon nut SW = 18 mm
Mating cycles		min. 50
Degree of protection		IP67
Connector 2		
Tightening torque		0.6 Nm
Loosening protection		integrated
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Degree of protection		IP66 / IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 9005)
Number of cores		5
Core cross section		0.75 mm²
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black Core 5: not used
Core construction		42 x 0.15 mm Ø
Length	L	40 m
Cable code		Li F 9Y 11Y 5 x 0,75
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3.3 m/s
Traverse distance		max. 5 m
Acceleration		max. 5 m/s²
Torsional stress		± 180 °/m
Mass		185 g
Material		
Halogen-free		yes
Lead-free		yes
Connector 1		
Screw connection		Zinc diecast, nickel-plated
Body		Zinc diecast, nickel-plated
Contact surface		gold plated (Au)
Connector 2		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black

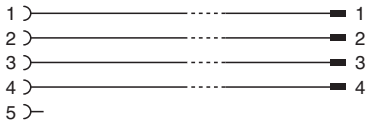
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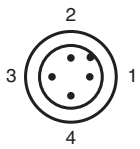
Technical Data

Contact surface		gold plated (Au)
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Cores		bare copper (Cu)
Core insulation		PP
UV resistance		yes
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2
General information		
Cable marking sleeve		2x PUR transparent , fixed to cable

Connection Assignment







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