

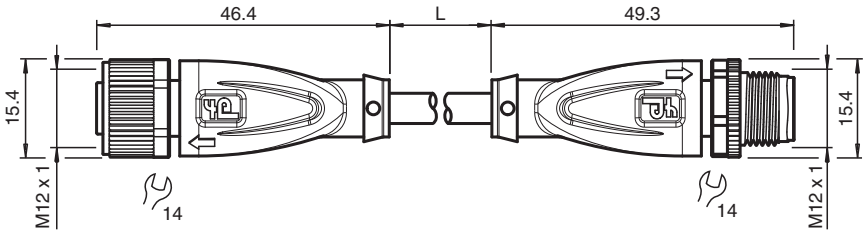
Connection cable, shielded

V1-G-BK20M-PUR-U/ABG-V1-G

- Suitable for drag chains and abrasion resistant
- Degree of protection IP66 / IP68 / IP69
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PUR cable black, shielded, 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		4
Coding		A-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. 250 V AC/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; DIN EN 60332-2-2
Halogen-free		DIN VDE 0472-815

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Technical Data

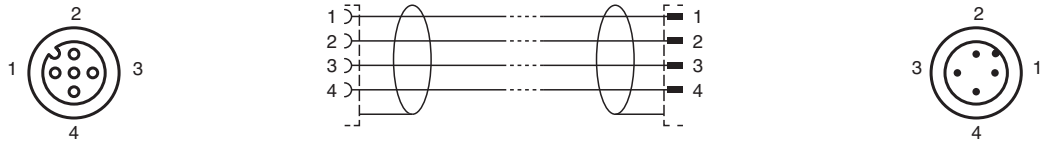
Lead-free		RoHS directive 2011/65/EU
Microbial resistance		EN 50363
Hydrolysis resistance		EN 50363
Approvals and certificates		
UL approval		AWM STYLE 20549/10493 80°C 300V FT2 (cable)
UL File Number		E231213
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.6 Nm
Loosening protection		integrated
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP66 / IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.9 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 60 N / 100 mm
Sheath color		black (similar to RAL 9005)
Number of cores		4
Core cross section		0.34 mm^2
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction		42 x 0.1 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	20 m
Cable code		Li F 9Y C11Y 4 x 0,34
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		max. 5 m
Acceleration		max. 5 m/s^2
Mass		
Material		
Halogen-free		yes
Lead-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
Cores		bare copper (Cu)

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Core insulation		PP
UV resistance		yes
Chemical resistance		good
Oil resistance		yes
Cooling lubricant 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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