

# Connection cable

## V1-G-BK5M-PUR-O1-V1-G

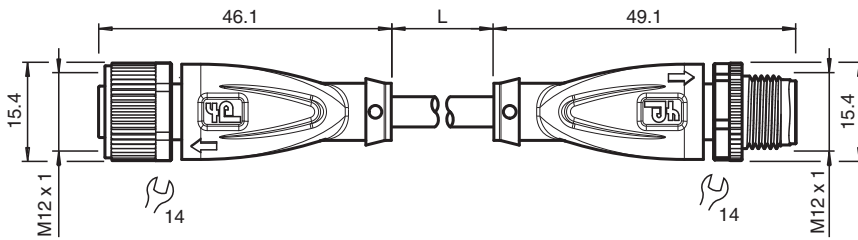


- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, outdoor



### 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 <sub>B</sub>		max. 250 V AC/DC
Operating current	I <sub>B</sub>		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 / DIN EN 50267-2-1

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## Technical Data

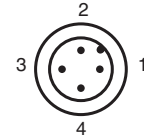
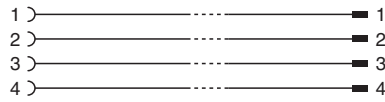
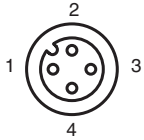
UV resistance	on the basis of DIN EN ISO 4892-2-A for 1000 hours	
Oil resistance	DIN EN 60811-2-1	
<b>Approvals and certificates</b>		
UL approval	AWM STYLE 21924/11558 105°C 300V AWM I A/B 105°C 300V FT2 (cable)	
UL File Number	E231213	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-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	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.6 Nm	
Loosening protection	available	
Tool installation	straight knurling and hexagon nut SW = 14 mm	
Mating cycles	min. 100	
Degree of protection	IP68 / IP69	
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6	
Sheath diameter	4.8 mm	
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed	
Sheath stripping force	max. 50 N / 300 mm	
Sheath color	black (similar to RAL 7021)	
Number of cores	4	
Core cross section	0.5 mm <sup>2</sup>	
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black	
Core construction	28 x 0.15 mm Ø 1 x symmetrically twisted	
Length	L	5 m
Cable code	Li 9Y 11Y 4 x 0,50	
Drag chain suitability		
Drag chain cycles	min. 2000000	
Motion velocity	max. 3 m/s	
Traverse distance	max. 10 m	
Acceleration	max. 10 m/s <sup>2</sup>	
Mass	198.3 g	
<b>Material</b>		
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	
Cores	bare copper (Cu)	
Core insulation	PP	
Salt water resistance	yes	
UV resistance	yes	
Chemical resistance	good	

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Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

**Connection**



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