



## Adapter cable

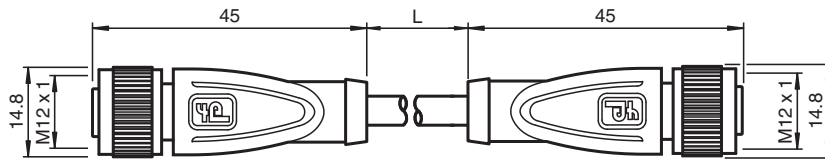
V1-G-BK0,75M-PUR-U-V1-G-Y285728

- Pins 1-3 and 2-4 are crossed
- Suitable for robotic applications / torsion resistant
- Degree of protection IP67 / IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- cURus approval
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Adapter cable M12 socket straight to M12 socket straight A-coded, 4-pin crossed, PUR cable black, UL approved, drag chain suitable, torsion resistant



### Dimensions



### Technical Data

#### General specifications

Customization	pins 1-3 and 2-4 crossed
Connector 1	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4
Coding	A-coded
Connector 2	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4

Release date: 2023-05-04 Date of issue: 2023-05-04 Filename: 285728\_eng.pdf

## Technical Data

Coding	A-coded	
UL File Number	E231213	
<b>Electrical specifications</b>		
Operating voltage	U <sub>B</sub>	max. 250 V AC/DC
Operating current	I <sub>B</sub>	max. 4 A
<b>Conformity</b>		
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	IEC 60754-1	
<b>Approvals and certificates</b>		
UL approval	AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-40 ... 90 °C (-40 ... 194 °F)	
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)	
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)	
Pollution degree	3	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.6 Nm	
Loosening protection	available	
Tool installation	straight knurling	
Mating cycles	min. 100	
Degree of protection	IP67 / IP68 / IP69	
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6	
Sheath diameter	4.3 mm	
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed	
Sheath stripping force	max. 80 N / 300 mm	
Sheath color	black (similar to RAL 9005)	
Number of cores	4	
Core cross section	0.34 mm <sup>2</sup>	
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black	
Core construction	42 x 0.1 mm Ø	
Length	L	0.75 m
Cable code	Li 9Y 11Y 4 x 0.34	
<b>Drag chain suitability</b>		
Drag chain cycles	min. 5000000	
Motion velocity	max. 3.3 m/s	
Traverse distance	max. 5 m	
Acceleration	max. 5 m/s <sup>2</sup>	
Torsion cycles	min. 1000000	
Torsional stress	± 180 °/m	
<b>Material</b>		
PWIS free	yes	
Halogen-free	yes	
<b>Plug connector</b>		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Contact surface	Au	

## Technical Data

Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

## Connection

