



### Model Number

#### V1-GV4A-BK5M-PUR-U-PIP

Female cordset, M12, Stainless steel  
V4A, 4-pin, PUR cable

### Features

- UL Recognized Component
- Suitable for drag chains
- Gold plated contacts
- Coupling nut V4A
- Flame resistant cable
- Degree of protection IP67 / IP68 / IP69K
- Halogen-free

### Accessories

#### MH V1-Holder

Modular universal holder for M12 connectors

#### V1/V3-LABELHOLDER

Label holder

#### V1/V3-LABEL

Label plate

#### V1-MARKING-RING-BLUE

Marking ring for M12 plug

#### V1-MARKING-RING-GREEN

Marking ring for M12 plug

#### V1-MARKING-RING-ORANGE

Marking ring for M12 plug

#### V1-MARKING-RING-RED

Marking ring for M12 plug

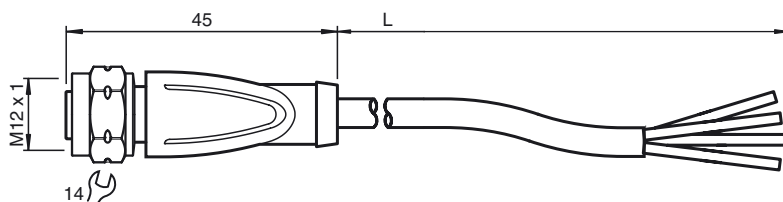
#### V1-MARKING-RING-WHITE

Marking ring for M12 plug

#### V1-MARKING-RING-YELLOW

Marking ring for M12 plug

### Dimensions



### Technical data

#### General specifications

Number of pins	4
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	cable end
UL File Number	E231213

#### Electrical specifications

Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	max. 4 A
Volume resistance		< 5 m $\Omega$

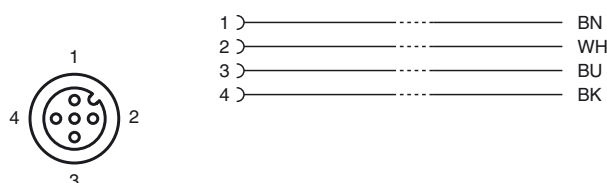
#### Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F)
Pollution degree	3

#### Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Cable code	Li 9Y 11Y 4 x 0.34
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Slotted nut	Stainless steel 1.4435 / AISI 316L
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	$\varnothing$ 4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Cores	4 x 0.34 mm <sup>2</sup>
Conductor construction	42 x 0.1 mm $\varnothing$
Length	L 5 m
Drag chain suitability	
Drag chain cycles	$\geq$ 5000000
Motion velocity	$\leq$ 3.3 m/s
Torsional stress	$\pm$ 180 °/m
Flammability	
Contact carrier	94 HB
Housing	94 V-2
Cable	FT2

### Electrical connection





Note

**Compliance with standards and directives**

Standard conformity

Degree of protection EN 60529:2000

Standards IEC 61076-2-101:2008

Flammability Body: UL 94  
Line: UL 1581 Section 1061; IEC 60332-1-2:2004

Halogen-free IEC 60754-1:1994

**Approvals and certificates**

UL approval cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

Maximum permissible operating voltage ≤ 30 V

Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F)

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