

Model Number

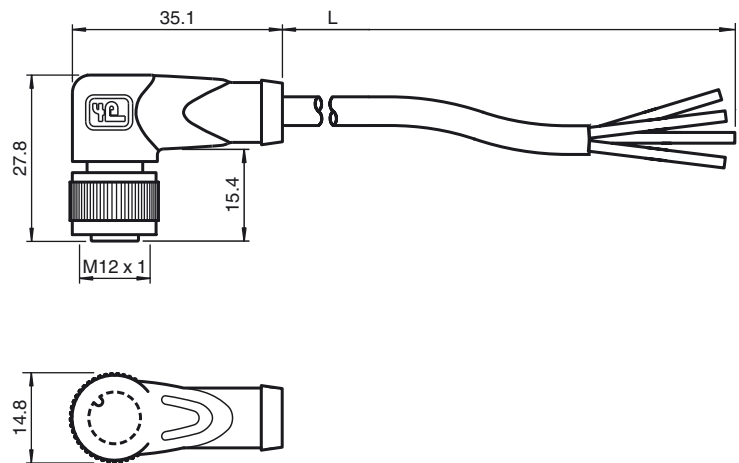
V1-W-E8W-BK5M-PUR-A

Single-ended female cordset, M12, LED, 4-pin, PUR cable, weld spatter resistant

Features

- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool assembly
- Improved resistance to weld slag
- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free of paint coating substances
- Gold plated contacts

Dimensions



Technical data

General specifications

Number of pins	4
UL File Number	E231213

Indicators/operating means

LED green	Operating display
LED yellow	Functional display NO contact 4
LED white	Functional display NO contact 2

Electrical specifications

Operating voltage	U_B	max. 24 V DC \pm 15%
Operating current	I_B	max. 4 A
Volume resistance		< 5 m Ω

Ambient conditions

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

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, transparent
Cable	PUR resistant to weld spatter
Slotted nut	Diecast zinc
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 ²
Conductor construction	42 x 0.1 mm \varnothing
Length	L 5 m

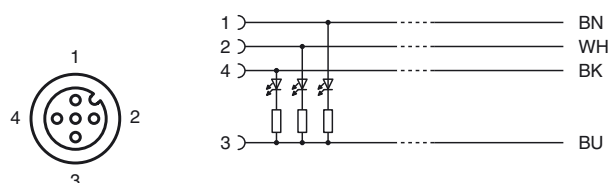
Drag chain suitability

Drag chain cycles	\geq 5000000 (at max. 60 °C)
Motion velocity	\leq 3.3 m/s
Traverse distance	5 m horizontal
Acceleration	\leq 5 m/s ²
Torsion cycles	\geq 1000000 (at max. 60 °C)
Torsional stress	\pm 180 °/m

Flammability

Contact carrier	94 HB
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Electrical connection





Housing	94 V-2
Cable	FT2
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

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