



Model Number

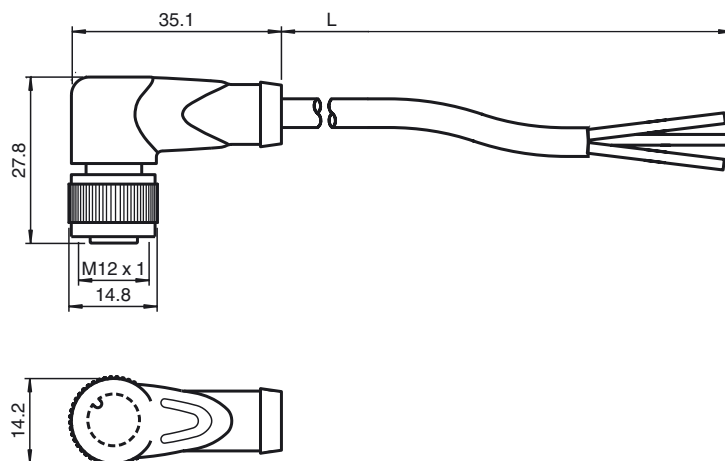
V11-W-BK*M-PUR-U

Female cordset, M12, 3-pin, PUR cable

Features

- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Degree of protection IP67 / IP68 / IP69K
- Free from substances that impair paint wetting
- Resistant to microbes and hydrolysis
- UL Recognized Component
- Halogen-free
- Gold plated contacts
- Flame resistant cable
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Cable length according to specification

Dimensions



Technical data

General specifications

Number of pins	3
Connection 1	socket
Construction type 1	right angle
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

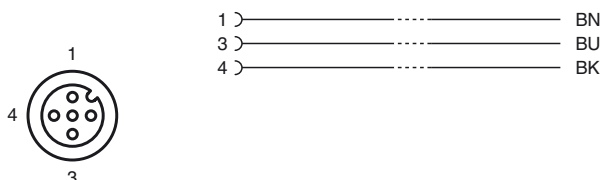
Ambient conditions

Ambient temperature	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
Degree of protection	IP67 / IP68 / IP69k
Cable code	Li 9Y 11Y 3 x 0.34
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Core insulation	PP
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter	Ø 4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Number of cores	3
Core cross-section	0.34 mm ²
Cores color	Core 1: brown Core 3: blue Core 4: black
Conductor construction	42 x 0.1 mm Ø
Length	L as per specification
Drag chain suitability	
Drag chain cycles	≥ 5000000
Motion velocity	≤ 3.3 m/s
Traverse distance	5 m horizontal
Acceleration	≤ 5 m/s ²
Torsion cycles	≥ 1000000
Torsional stress	± 180 °/m

Electrical connection





Flammability	
Contact carrier	HB
Housing	V-2
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529
Flammability	IEC 60332-1-2
Halogen-free	IEC 60754-1
Specification	connector M12 x 1 : IEC 61076-2-101
Approvals and certificates	
UL approval	AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)

Accessories

- MH V1-SCREWDRIVER**
torque screwdriver (0.6 Nm)
- MH V1-BIT M12**
plug-in cap M12
- V1/V3-LABELHOLDER**
Label holder
- V1/V3-LABEL**
Label plate
- MH V1-Holder**
Modular universal holder for M12 connectors
- 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

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