



Model Number

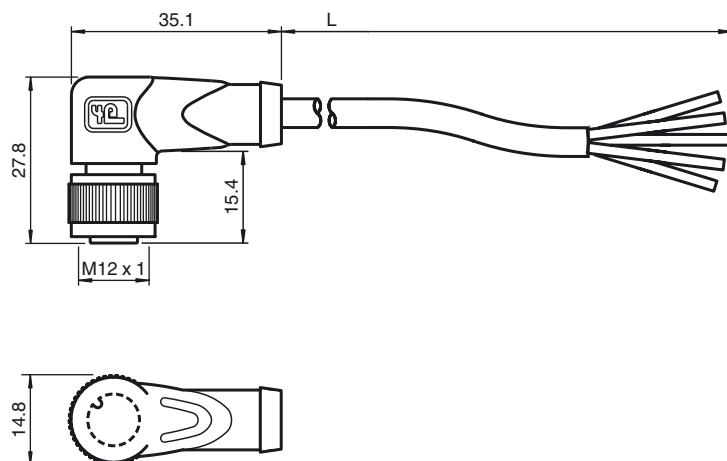
V15-W-BK2M-PUR-A

Female cordset, M12, 5-pin, PUR cable

Features

- 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 from substances that impair paint wetting
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Dimensions



Technical data

General specifications

Number of pins	5
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. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A

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, black
Cable	PUR resistant to weld spatter
Slotted nut	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 4.7 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Cores	5 x 0.34 mm ²
Conductor construction	42 x 0.1 mm Ø
Length	L 2 m

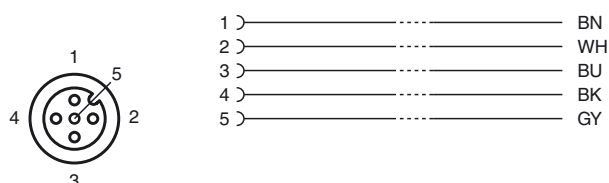
Drag chain suitability

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

Flammability

Contact carrier	HB
Housing	V-2

Electrical connection





Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Grip: UL 94 Cable: UL 758 / UL 1581
Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815
Specification	connector M12 x 1 : IEC 61076-2-101
Approvals and certificates	
UL approval	UL Recognized General purpose

Release date: 2019-07-15 16:41 Date of issue: 2019-07-15 2399999-0042_eng.xml