



Model Number

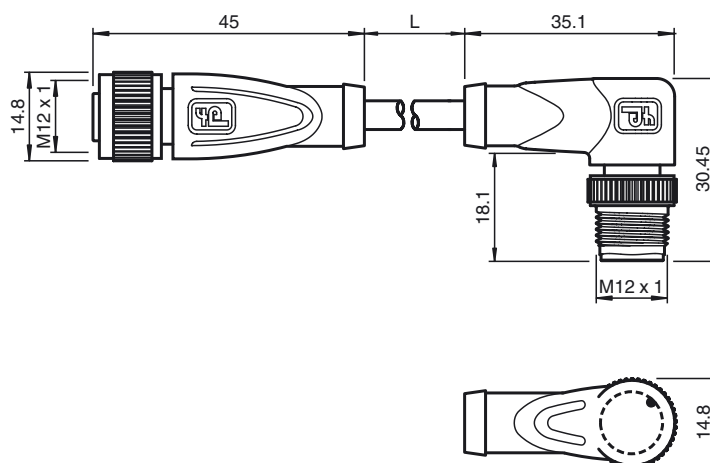
V15-G-BK1M-PUR-U/0,75-V15-W

Cordset, M12, 5-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Suitable for drag chains
- UL Recognized Component
- Degree of protection IP67 / IP68 / IP69K
- Gold plated contacts

Dimensions



Technical data

General specifications

Number of pins	5
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	Male connector
Construction type 2	right angle
Threading 2	M12
UL File Number	E231213

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A
Volume resistance		< 5 mΩ

Ambient conditions

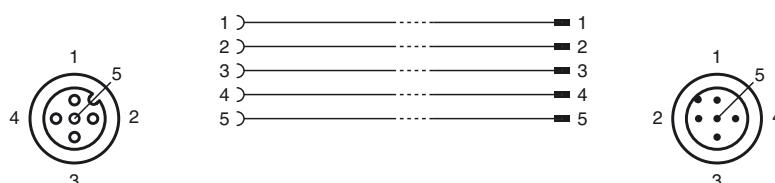
Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
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Pollution degree	3
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Mechanical specifications

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
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	fine-strand, flexible
Sheath diameter	Ø 6 mm
Bending radius	> 10 x cable diameter, appropriate for conveyor chains > 5 x cable diameter, fixed
Color	black
Number of cores	5
Core cross-section	0.75 mm ²
Conductor construction	42 x 0.15 mm Ø
Length	L 1 m
Drag chain suitability	
Drag chain cycles	≥ 2000000
Motion velocity	≤ 3.3 m/s
Traverse distance	5 m
Acceleration	≤ 5 m/s ²

Electrical connection





Torsional stress	±180 °/m
Flammability	
Contact carrier	HB
Housing	V-2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Grip: UL 94
Specification	connector M12 x 1 : IEC 61076-2-101
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

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