



Model Number

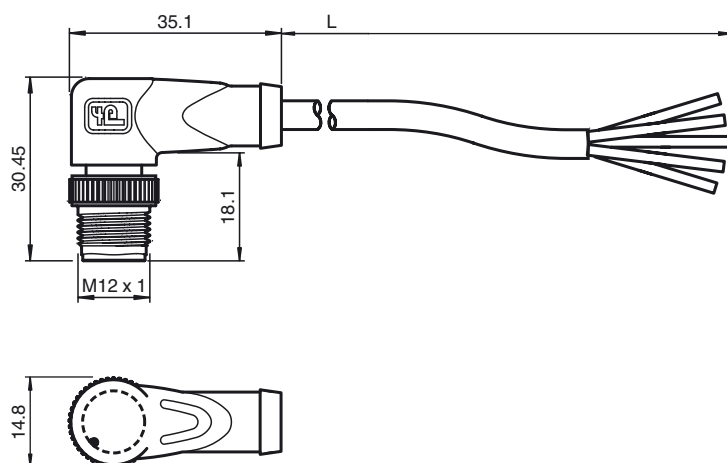
V1S-W-BK5M-PUR-U/0,75

Cable connector, M12, 4-pin, PUR cable

Features

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

Dimensions



Technical data

General specifications

Number of pins	4
Connection 1	Male connector
Construction type 1	right angle
Threading 1	M12
Connection 2	cable end
UL File Number	E231213

Electrical specifications

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

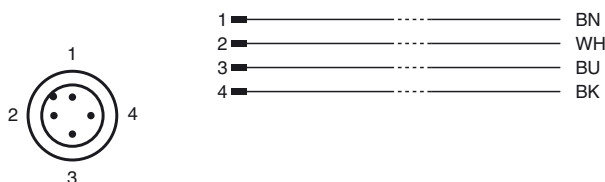
Ambient conditions

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

Mechanical specifications

Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	fine-strand, flexible
Sheath diameter	$\varnothing$ 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 $\varnothing$
Length	L 5 m
Drag chain suitability	
Drag chain cycles	$\geq$ 2000000
Motion velocity	$\leq$ 3.3 m/s
Traverse distance	5 m
Acceleration	$\leq$ 5 m/s ²
Torsional stress	$\pm$ 180 °/m
Flammability	
Contact carrier	HB
Housing	V-2

Electrical connection





Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Grip: UL 94
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)