



Model Number

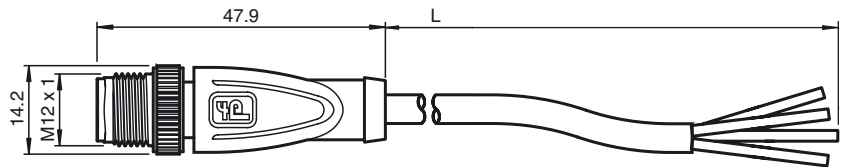
V1S-G-BK3M-PUR-U

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
- Halogen-free
- Suitable for 2-, 3- and 4-wire technology
- Suitable for drag chains

Dimensions



Technical data

General specifications

Number of pins	4
UL File Number	E231213

Electrical specifications

Operating voltage	U_B	max. 300 V DC
Test voltage		> 1500 V _{eff} AC
Operating current	I_B	max. 4 A
Volume resistance		< 5 mΩ

Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F) cable, fixed: -40 ... 80 °C (-40 ... 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
Slotted nut	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 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 Ø
Length	L 3 m

Drag chain suitability

Drag chain cycles	≥ 5000000
Motion velocity	≤ 3.3 m/s
Acceleration	≤ 5 m/s ²
Torsional stress	± 180 °/m

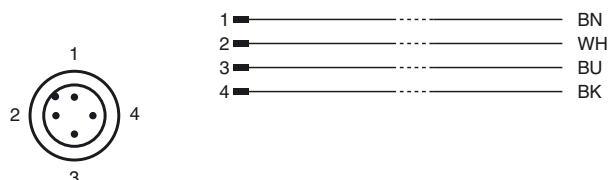
Flammability

Contact carrier	HB
Housing	V-2
Cable	FT2

Compliance with standards and directives

Standard conformity

Electrical connection



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
Approvals and certificates	
UL approval	UL Recognized General purpose
Maximum permissible operating voltage	≤ 30 V
Maximum permissible ambient temperature	≤ 80 °C (≤ 176 °F)

Release date: 2016-04-05 15:11 Date of issue: 2016-04-05 218498_eng.xml