



Model Number

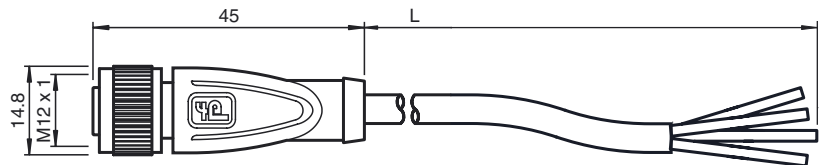
V1-G-S-BK5M-PUR-A

Female cordset, M12, 4-pin, PUR cable

Features

- Improved resistance to weld slag
- Appropriate for conveyor chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free of paint coating substances
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Dimensions



Technical data

General specifications

Number of pins	4
Connection 1	female connector
Construction type 1	straight
Threading 1	M12
Connection 2	cable end

Electrical specifications

Operating voltage	U_B	max. 250 V AC/DC
Operating current		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: -25 ... 80 °C (-13 ... 176 °F)
Pollution Degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Protection degree	IP67

Material

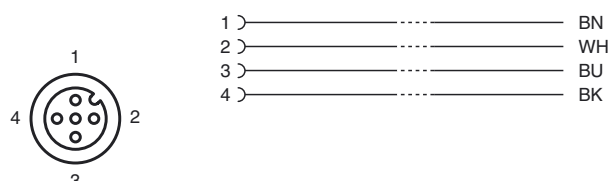
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, yellow
Cable	PUR
Slotted nut	Diecast zinc
Core insulation	PP

Cable	extra-fine wire, flexible
Sheath diameter	Ø 4.3 mm
Drag chain cycles	≥ 5000000 (at max. 60 °C)
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
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
Color	black
Cores	4 x 0.34 mm ²
Conductor construction	42 x 0.1 mm Ø
Length	L 5 m

Flammability

Contact material	94 HB
Housing	94 V-2
Cable	FT2

Electrical connection





Compliance with standards and directives

Standard conformity	
Protection degree	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

Release date: 2013-05-15 17:29 Date of issue: 2013-05-15 254640_eng.xml