



Model Number

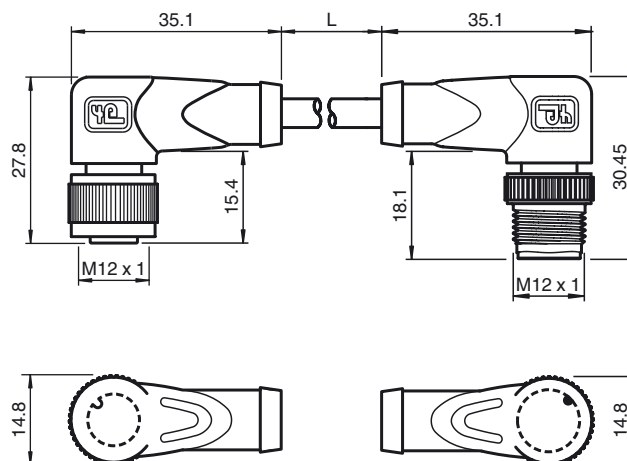
V1-W-BK1,6M-PUR-U5/ABG-V1-W

Connecting cable, M12 to M12, PUR cable 4-pin, shielded

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- UV resistant
- Raw cable with cURus approval

Dimensions



Technical data

General specifications

Number of pins	4 + shield
UL File Number	E231213

Electrical specifications

Operating voltage	U_B	max. 250 V AC/DC
Operating current	I_B	max. 4 A
Volume resistance		< 5 m Ω

Ambient conditions

Ambient temperature	-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
Cable code	Li 9Y C 11Y 5 x 0.50

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	$\varnothing 6 \text{ mm} \pm 0.15 \text{ mm}$
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed

Color	black
Number of cores	5
Core cross-section	0.5 mm ²
Conductor construction	16 x 0.2 mm $\varnothing$
Shield	grid covering 85 %
Length	L 1.6 m

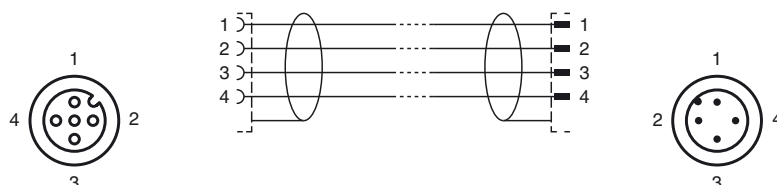
Flammability

Contact carrier	94 HB
Housing	94 V-2
Cable	FT2

Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008

Electrical connection





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)	

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