



Connection cable

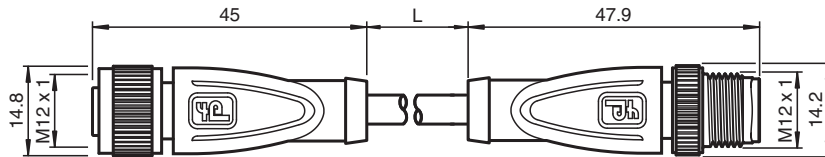
V19-G-BK1,8M-PUR-U/ABG-V19-G

- Gold-plated and machined contacts
- UL Recognized Component
- Gold plated contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- Degree of protection IP67 / IP68 / IP69K
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset, M12, shielded, PUR cable, 8-pin



Dimensions



Technical Data

General specifications

Number of pins	8 + shield	
Connection 1	socket	
Construction type 1	straight	
Threading 1	M12	
Connection 2	Male connector	
Construction type 2	straight	
Threading 2	M12	
UL File Number	E231213	

Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 2 A
Volume resistance	< 5 m Ω	

Compliance with standards and directives

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

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Technical Data

Flammability	Grip: UL 94 Cable: UL 1581 Section 1100; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)
Maximum permissible operating voltage	max. 30 V
Maximum permissible ambient temperature	max. 80 °C (max. 176 °F)
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
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	fine-strand, flexible
Sheath diameter	∅ 6 mm
Bending radius	> 10 x cable diameter, moving > 8 x cable diameter, fixed
Color	black
Cores	8 x 0.25 mm ²
Conductor construction	14 x 0.15 mm ∅
Shield	grid
Length	L 1.8 m
Flammability	
Contact carrier	HB
Housing	V-2
Cable	FT2

Connection Assignment

