



Model Number

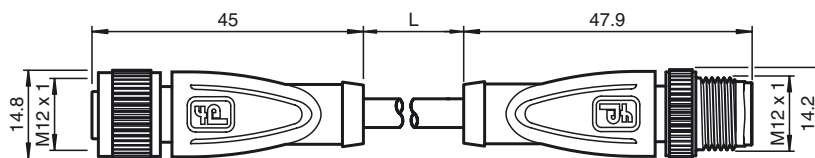
V1-G-BK10M-PUR-U/ABG-V1-G-Y

Connecting cable, M12 to M12, PUR cable 2-pin

Features

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

Dimensions



Technical data

General specifications

Number of pins	5 + 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. 60 V AC/DC
Operating current	I_B	max. 4 A
Volume resistance		< 5 mΩ

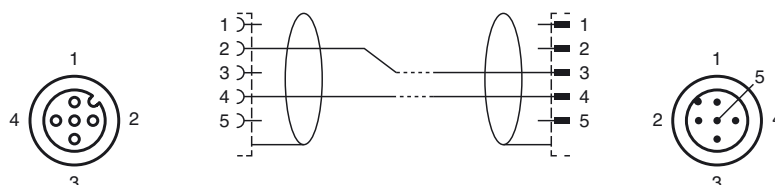
Ambient conditions

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
Cable code	Li 9Y C 11Y 5 x 0.50
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	socket TPU, transparent Male connector TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	fine-strand, flexible
Sheath diameter	Ø 6 mm ± 0.15 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	0.5 mm ²
Conductor construction	16 x 0.2 mm Ø
Shield	grid covering 85 %
Length	L 10 m
Flammability	
Contact carrier	94 HB

Electrical connection





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
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

Accessories

MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

MH V1-BIT M12
plug-in cap M12

V1/V3-LABELHOLDER
Label holder

V1/V3-LABEL
Label plate

MH V1-Holder
Modular universal holder for M12 connectors

V1-CLIP
Unlocking protector for M12 connector

V1-MARKING-RING-BLUE
Marking ring for M12 plug

V1-MARKING-RING-GREEN
Marking ring for M12 plug

V1-MARKING-RING-ORANGE
Marking ring for M12 plug

V1-MARKING-RING-RED
Marking ring for M12 plug

V1-MARKING-RING-WHITE
Marking ring for M12 plug

V1-MARKING-RING-YELLOW
Marking ring for M12 plug