



### Model Number

**V19-G-BK20M-PVC-U/ABG-Y279555**

Female cordset, M12, 8-pin, shielded, PVC cable

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Shield attached to coupling nut

### Accessories

**MH V1-SCREWDRIVER**  
torque screwdriver (0.6 Nm)

**MH V1-BIT M12**  
plug-in cap M12

**MH V1-Holder**  
Modular universal holder for M12 connectors

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

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

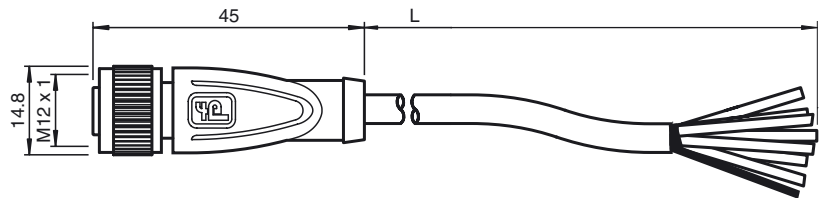
**V1-MARKING-RING-ORANGE**  
Marking ring for M12 plug

**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

### Dimensions



### Technical data

#### General specifications

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

#### Electrical specifications

Operating voltage	$U_B$	max. 30 V DC
Operating current	$I_B$	max. 2 A
Volume resistance		< 5 m $\Omega$

#### 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)
Pollution degree	3

#### Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	0,8 mm
Degree of protection	IP67
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PVC
Slotted nut	Diecast zinc
Core insulation	PVC
Cable	fine-strand, flexible
Sheath diameter	$\varnothing$ 6.2 mm
Bending radius	> 15 x cable diameter, moving > 6 x cable diameter, fixed
Color	black
Number of cores	8
Core cross-section	0.25 mm <sup>2</sup>
Conductor construction	14 x 0.15 mm $\varnothing$
Shield	grid covering 85 %
Length	L 20 m
Flammability	
Contact carrier	94 HB
Housing	94 V-2
Note	Labeling sleeve for the cable not included; with "Made in EU" imprint

#### Approvals and certificates

UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)
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### Electrical connection

