

### Model Number

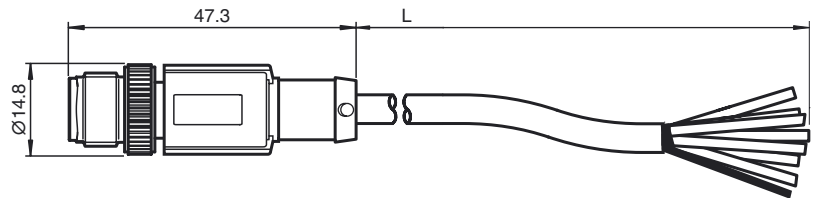
#### V19SY-G-BK5M-PUR-ABG

Male single-ended cordset, M12, 8-pin, Y encryption, PUR cable, shielded

### Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Shield attached to coupling nut
- Hard-wearing PUR cable
- CAT5/CAT5e cable
- Flame resistant cable
- Suitable for drag chains

### Dimensions



### Technical data

#### General specifications

Number of pins 8 (4+4) + shield

#### Electrical specifications

Rated voltage  $U_N$  30 V  
 Rated current  $I_N$  6 A (power supply)  
 0.5 A (data)

Volume resistance  $\leq 5 \text{ m}\Omega$

#### Ambient conditions

Ambient temperature  $-25 \dots 90 \text{ }^\circ\text{C}$  ( $-13 \dots 194 \text{ }^\circ\text{F}$ )

#### Mechanical specifications

Degree of protection IP65/IP67  
 Connection M12 x 1 plug, 8-pin, Y-encrypted (hybrid)

#### Material

Contacts CuZn  
 Contact surface Ni/Au  
 Body TPU, black  
 Cable PUR  
 Slotted nut Zinc die-casting, nickel-plated  
 Core insulation PE

#### Cable

Hybrid Ethernet  
 Sheath diameter  $7.6 \text{ mm} \pm 0.2 \text{ mm}$   
 Bending radius  $> 10 \times$  cable diameter, moving  
 Color black  
 Cores  $1 \times 4 \times \text{AWG}26 + 1 \times 4 \times \text{AWG}20$   
 Core cross-section  $4 \times 0.15 \text{ mm}^2$  (data)  
 $4 \times 0.6 \text{ mm}^2$  (power supply)  
 Conductor construction  $19 \times 0.1 \text{ mm}$  (Data)  
 $19 \times 0.2 \text{ mm}$  (Power supply)

Shield grid covering 85 %

Length L 5 m

#### Drag chain suitability

Drag chain cycles  $\geq 2000000$   
 Motion velocity  $\leq 3 \text{ m/s}$   
 Traverse distance 4.5 m  
 Acceleration  $\leq 3 \text{ m/s}^2$   
 Tightening torque, cable gland  $\leq 0.4 \text{ Nm}$   
 Mating cycles 100

#### Compliance with standards and directives

Standard conformity  
 Degree of protection EN 60529:2000  
 Standards CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)  
 IEC 61076-2-101:2008  
 Halogen-free IEC 60754-1:2011

### Electrical connection

