

Model Number

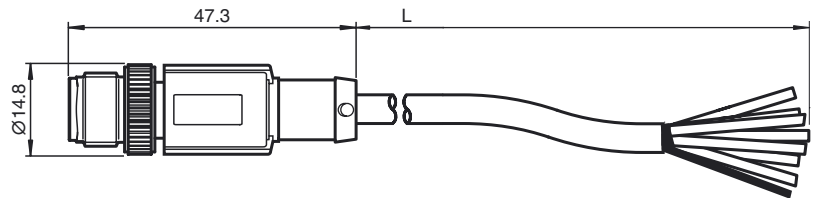
V19SY-G-BK2M-PUR-ABG

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 2 m

Drag chain suitability

Drag chain cycles ≥ 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

