



Model Number

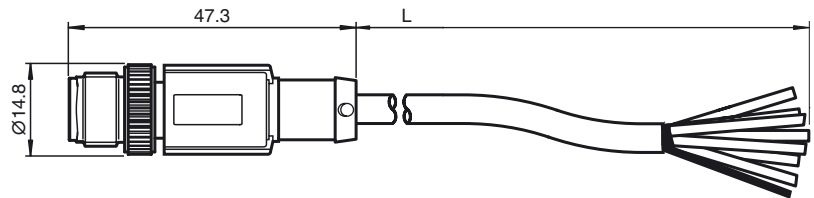
V19SY-G-BK2M-PUR-ABG

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
Connection 1	Male connector
Construction type 1	straight
Threading 1	M12
Connection 2	cable end

Electrical specifications

Rated voltage	U_r	30 V
Rated current	I_r	6 A (power supply) 0.5 A (data)
Volume resistance		$\leq 5 \text{ m}\Omega$

Ambient conditions

Ambient temperature	-25 ... 90 °C (-13 ... 194 °F)
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Mechanical specifications

Cable version	Hybrid Ethernet CAT5, 100 MBit/s Hybrid Ethernet CAT5e, 100 MBit/s
Degree of protection	IP65/IP67
Connection	M12 x 1 plug, 8-pin, Y-encrypted (hybrid)
Cable code	94H

Material

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

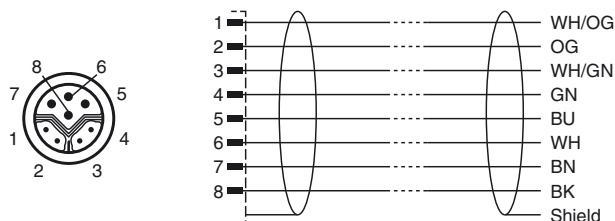
Cable

Sheath diameter	7.6 mm \pm 0.2 mm
Bending radius	> 10 x cable diameter, moving
Color	black
Cores	1x4xAWG26 + 1x4xAWG20
Core cross-section	4 x 0.15 mm ² (data) 4 x 0.6 mm ² (power supply)
Conductor construction	19 x 0.1 mm (Data) 19 x 0.2 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

Electrical connection



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

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