



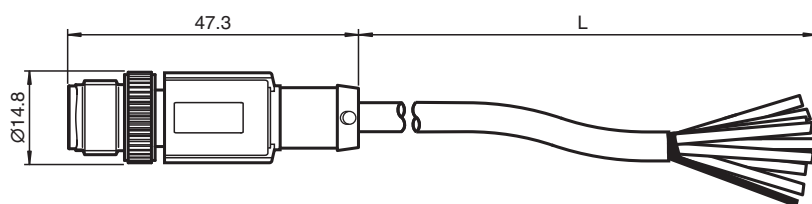
Cable connector, Ethernet V19SY-G-BK10M-PUR-ABG

- Suitable for drag chains and abrasion resistant
- Industrial Ethernet
- CAT5/CAT5e cable
- Degree of protection IP65 / IP67
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- Oil resistant
- Halogen-free
- Shield connected to screw connection
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Ethernet bus cable male cordset single-ended M12 straight Y-coded 8-pin, PUR cable black, Cat5e, shielded, drag chain suitable



Dimensions



Technical Data

General specifications

Connector 1		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		8
Coding		Y-coded
Connector 2		
Connection		cable end

Electrical specifications

Rated voltage	U_r	30 V DC
Rated current	I_r	6 A (power supply) 0.5 A (data)
Volume resistance		max. 5 mΩ

Conformity

Degree of protection		EN 60529
Fieldbus standard		Hybrid Ethernet
Plug connection		connector M12 x 1 : IEC 61076-2-113
Component category		CAT5 (IEC 11801) , CAT5e (TIA 568B)
Flammability		UL 1581 ; UL 2556
Halogen-free		DIN VDE 0472-815 / IEC 60754-1

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

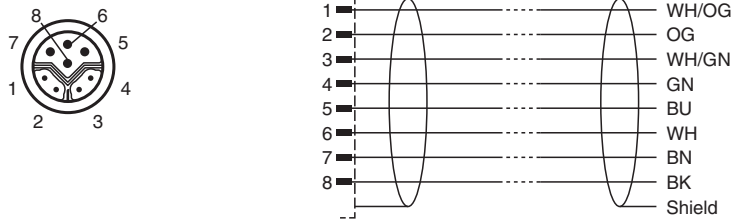
Hydrolysis resistance		EN 50396
Oil resistance		DIN EN 60811-2-1 / DIN VDE 0282-10
Ambient conditions		
Ambient temperature		
Plug connector		-25 ... 90 °C (-13 ... 194 °F)
Cable, fixed		-40 ... 90 °C (-40 ... 194 °F)
Cable, flexing		-30 ... 70 °C (-22 ... 158 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65/IP67
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		8.8 mm
Bending radius		> 8 x cable diameter, moving > 4 x cable diameter, fixed
Sheath color		black (similar to RAL 9005)
Number of cores		8
Core cross section		4 x 0.15 mm ² (data) 4 x 0.85 mm ² (power supply)
Cores color		Core 1: white/orange Core 2: orange Core 3: white/green Core 4: green Core 5: blue Core 6: white Core 7: brown Core 8: black
Core construction		19 x 0.1 mm (Data) 19 x 0.2 mm (Power supply)
Shield		tinned copper braiding, 85 % coverage
Length	L	10 m
Cable code		94H
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		4.5 m
Acceleration		max. 3 m/s ²
Material		
PWIS free		yes
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		Ni/Au
Flammability		V-2
Cable		
Sheathing		PUR
Core insulation		PP
Oil resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT1

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Connection



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-COLOR	Marking rings for M12 connectors, various colors