



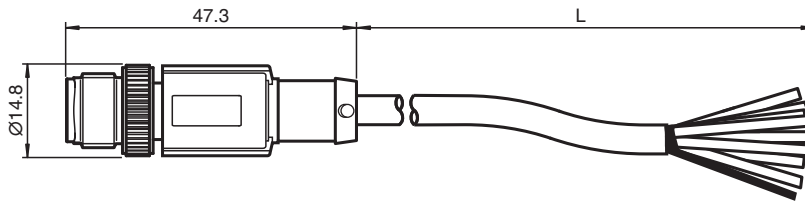
## Cable connector, Ethernet V19SY-G-BK5M-PUR-ABG

- 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 m $\Omega$

#### 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

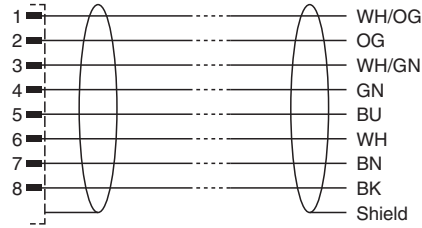
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## Technical Data

Hydrolysis resistance		EN 50396
Oil resistance		DIN EN 60811-2-1 / DIN VDE 0282-10
<b>Ambient conditions</b>		
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
<b>Mechanical specifications</b>		
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 <sup>2</sup> (data) 4 x 0.85 mm <sup>2</sup> (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	5 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 <sup>2</sup>
<b>Material</b>		
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

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors