



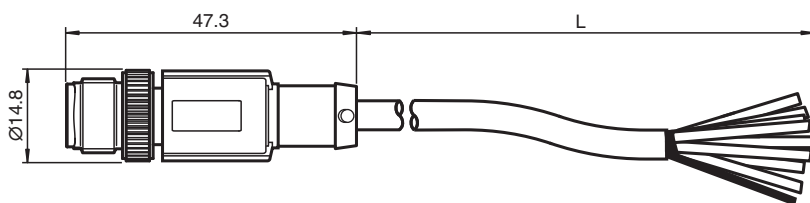
## Cable connector V19SY-G-BK5M-PUR-ABG

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

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



### 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 61076-2-101
Component category	CAT5 (IEC 11801) , CAT5e (TIA 568B)
Flammability	UL 1581
Halogen-free	DIN VDE 0472-815 / IEC 60754-1
Oil resistance	DIN EN 60811-2-1 / DIN VDE 0282-10

#### Ambient conditions

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 274323\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

## Technical Data

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		
Sheath diameter		7.6 mm
Bending radius		> 10 x cable diameter, moving
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 0.6 mm <sup>2</sup> (power supply)
Coors 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>
Mass		485 g
<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
Flammability		FT1

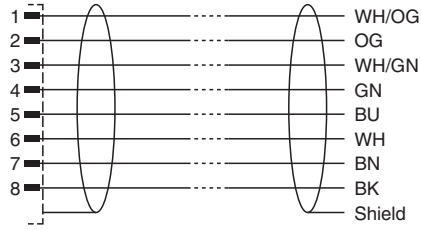
Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 274323\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.comUSA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.comGermany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

# Connection Assignment



Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 274323\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com