



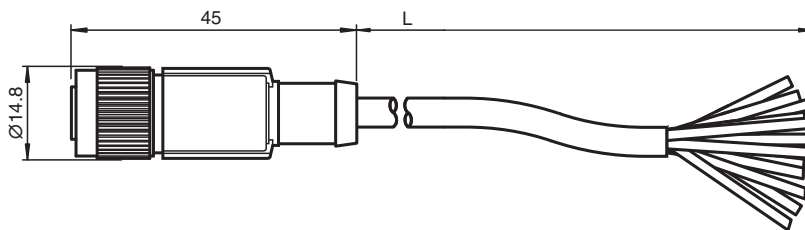
## Female cordset V112-G-BK5M-PUR

- Suitable for drag chains and abrasion resistant
- Resistant to microbes and hydrolysis
- Halogen-free
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Female cordset single-ended M12 straight A-coded, 12-pin, PUR cable black



### Dimensions



### Technical Data

#### General specifications

<b>Connector 1</b>			
Connection		socket	
Construction type		M12	
Style		straight	
Locking		screw connection	
Number of pins		12	
Coding		A-coded	
<b>Connector 2</b>			
Connection		cable end	

#### Electrical specifications

Operating voltage	$U_B$	30 V
Operating current	$I_B$	1.5 A
Surge protection		category II

#### Conformity

Degree of protection	EN 60529		
Plug connection	connector M12 x 1 : IEC 61076-2-101		

Release date: 2021-02-10 Date of issue: 2021-02-10 Filename: 299855\_eng.pdf

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

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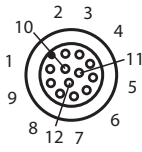
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## Technical Data

Microbial resistance	EN 50396 / DIN VDE 0282-10	
Hydrolysis resistance	EN 50396 / DIN VDE 0282-10	
Oil resistance	DIN EN 60811-2-1 / DIN VDE 0472 T.803, test type B	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-25 ... 85 °C (-13 ... 185 °F)	
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)	
Cable, flexing	-5 ... 80 °C (23 ... 176 °F)	
Pollution degree	3	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.4 Nm	
Tool installation	straight knurling	
Mating cycles	min. 100	
Degree of protection	IP65/IP67/IP68	
Cable		
Sheath diameter	7.2 mm	
Bending radius	54 mm	
Sheath color	black (similar to RAL 9005)	
Number of cores	12	
Core cross-section	0.14 mm <sup>2</sup>	
Cores color	Core 1: brown Core 2: blue Core 3: white Core 4: green Core 5: pink Core 6: yellow Core 7: black Core 8: grey Core 9: red Core 10: violet Core 11: grey/pink Core 12: red/blue	
Core construction	18 x 0.1 mm	
Length	L	5 m
Drag chain suitability		
Drag chain cycles	min. 4000000	
Motion velocity	max. 3 m/s	
Traverse distance	10 m	
Acceleration	max. 10 m/s <sup>2</sup>	
<b>Material</b>		
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Seal	NBR	
Contact surface	Ni/Au	
Flammability	V-0	
Cable		
Sheathing	PUR	
Core insulation	PP	

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# Connection Assignment



1 )	.....	BN
2 )	.....	BU
3 )	.....	WH
4 )	.....	GN
5 )	.....	PK
6 )	.....	YE
7 )	.....	BK
8 )	.....	GY
9 )	.....	RD
10 )	.....	VT
11 )	.....	GYPK
12 )	.....	RDBU

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