



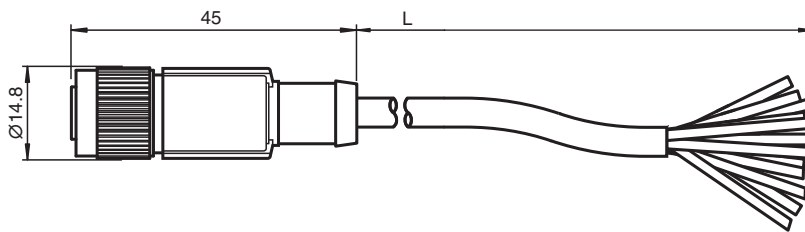
## Female cordset V112-G-BK5M-PUR

- 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

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

#### Electrical specifications

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

#### Conformity

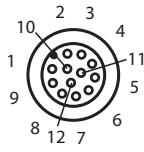
Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101

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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

# 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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