



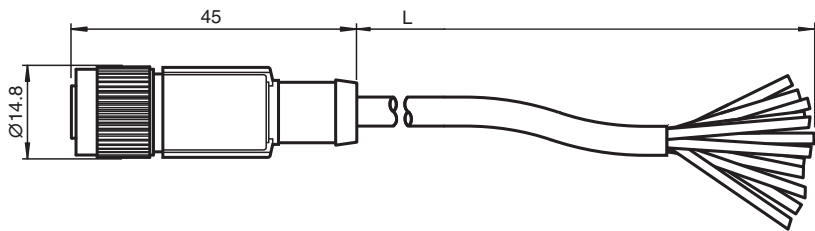
Female connector

V112-G-BK5M-PUR-ABG

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

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

Dimensions



Technical Data

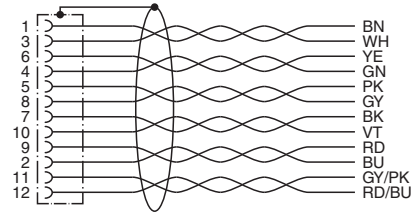
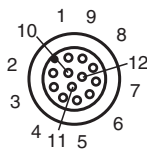
General specifications			
Connector 1			
Connection		socket	
Construction type		M12	
Style		straight	
Locking		screw connection	
Number of pins		12	
Coding		A-coded	
Connector 2			
Connection		cable end	
Electrical specifications			
Operating voltage	U _B	30 V	
Operating current	I _B	1.5 A	
Surge protection		category II	
Conformity			
Degree of protection		EN 60529	
Plug connection		connector M12 x 1 : IEC 61076-2-101	

Technical Data

Flammability		IEC 60332-1-2 / DIN VDE 0472 T.804, test type B
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
Ambient conditions		
Ambient temperature		
Plug connector		-25 ... 85 °C (-13 ... 185 °F)
Cable, fixed		-30 ... 80 °C (-22 ... 176 °F)
Cable, flexing		-5 ... 80 °C (23 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.4 Nm
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		8.5 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath color		black (similar to RAL 9005)
Number of cores		12
Core cross-section		0.14 mm ²
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 Ø twisted pairs
Shield		tinned copper braiding, 85 % coverage
Length	L	5 m
Cable code		LSPYwC11Y
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		10 m
Acceleration		max. 10 m/s ²
Material		
Plug connector		
Knurled screw connection		Zinc die-casting, nickel-plated
Body		TPU, green
Seal		NBR
Contact surface		Ni/Au
Flammability		V-0
Cable		
Sheathing		PUR
Core insulation		PVC
Flammability		VW-1

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Connection Assignment



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-MARKING-RING-BLUE	Marking ring for M12 connectors
	V1-MARKING-RING-GREEN	Marking ring for M12 connectors
	V1-MARKING-RING-ORANGE	Marking ring for M12 connectors
	V1-MARKING-RING-RED	Marking ring for M12 connectors
	V1-MARKING-RING-WHITE	Marking ring for M12 connectors
	V1-MARKING-RING-YELLOW	Marking ring for M12 connectors