

Female cordset

9416-05M-12P-AVM

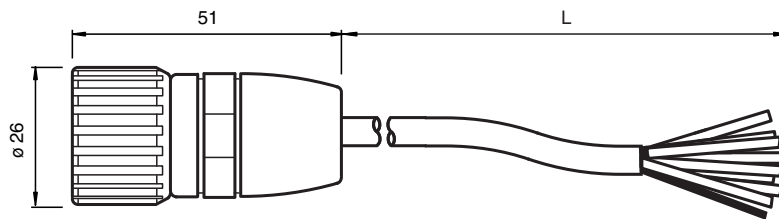


- Shielded twisted pair
- Immunity to vibration, with mechanical latching
- Shield attached to connector housing

Connection cable with socket M23 straight N-coded, 12-pin, PVC cable 8-core grey, twisted pairs, overall shield



Dimensions



Technical Data

General specifications		
Connector 1		
Connection		socket
Construction type		M23
Style		straight
Locking		screw connection
Number of pins		12
Coding		N-coded
Connector 2		
Connection		cable end
Electrical specifications		
Operating voltage	U _B	max. 30 V DC
Test voltage		1200 V
Operating current	I _B	max. 3 A
Volume resistance		< 5 mΩ
Insulation resistance		min. 100 MΩ

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

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Technical Data

Ambient conditions		
Ambient temperature		
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-5 ... 70 °C (23 ... 158 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Loosening protection		integrated
Tool installation		straight knurling
Mating cycles		min. 50
Shielding		shield connected to connector
Degree of protection		IP67
Cable		
Sheath diameter		7.1 mm
Bending radius		Cable, movable installation: ≥ 107 mm, Cable, fixed installation: ≥ 43 mm
Sheath color		grey (similar to RAL 7032)
Number of cores		12
Core cross section		0.14 mm²
Cores color		Core 1: white Core 2: brown Core 3: green Core 4: yellow Core 5: grey Core 6: pink Core 7: not connected Core 8: red Core 9: black Core 10: not connected Core 11: not connected Core 12: not connected
Core construction		6 x 2 x 0.14 mm² twisted pairs , overall shield
Shield		tinned copper braiding, 85 % coverage
Length	L	5 m
Cable code		Li Y CY 6 x 2 x 0,14
Material		
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		Zinc diecast, nickel-plated
Seal		NBR
Contact surface		gold plated (Au)
Cable		
Sheathing		PVC
Cores		bare copper (Cu)
Core insulation		PVC
Flammability		flame retardant

Connection Assignment

