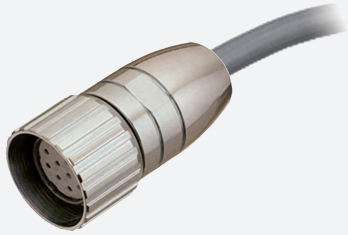


Female cordset

9416-10M-12P-AVM

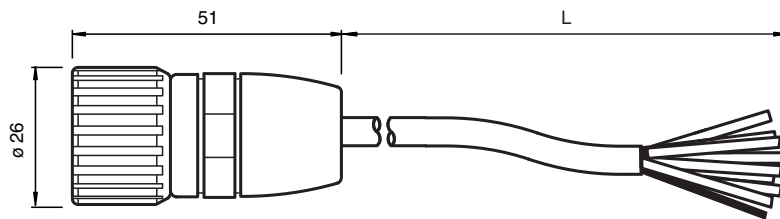


- Shielded twisted pair
- Immunity to vibration, with mechanical latching
- Shield attached to connector housing

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

Release date: 2026-02-26 Date of issue: 2026-02-26 Filename: 126687_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 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		according to IEC/EN 60228 (DIN VDE 0295) class 5
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	10 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

