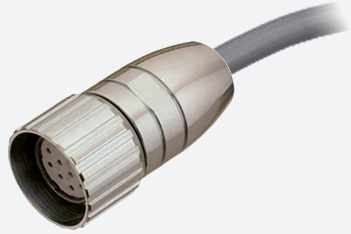


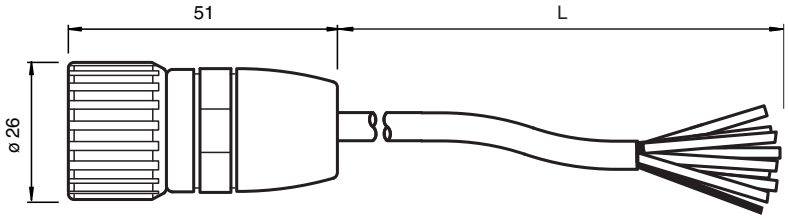
Female cordset

9416-10M-12P-RXI58/90

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

Female cordset single-ended M23 straight N-coded 12-pin, PVC cable 11-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
Customization		Coding right-rotating
Connector 2		
Connection		cable end
Electrical specifications		
Operating voltage	U_B	max. 30 V DC
Test voltage		500 V AC
Operating current	I_B	max. 3 A
Volume resistance		< 5 mΩ

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Technical Data

Insulation resistance		min. 100 MΩ
Conformity		
Degree of protection		EN 60529
Flammability		IEC 60332-1-2
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		> 15 x cable diameter, movable installation > 6 x cable diameter, fixed installation
Sheath color		grey (similar to RAL 7032)
Number of cores		12
Core cross section		0.14 mm^2
Cores color		Core 1: pink Core 2: violet Core 3: blue Core 4: red Core 5: green Core 6: yellow Core 7: grey/pink Core 8: grey Core 9: not connected Core 10: white Core 11: black Core 12: brown
Core construction		6 x 2 x 0.14 mm^2 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
Mass		729 g
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

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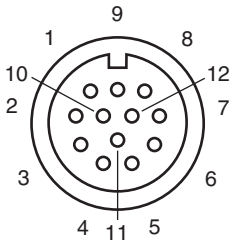
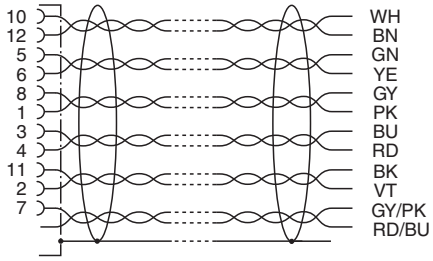
Connection Assignment





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