

# Female cordset

## 9416-05M-12P-RXI58/90

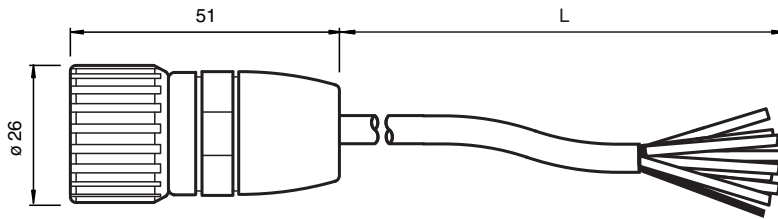


- Shielded twisted pair
- Shield attached to connector housing
- Immunity to vibration, with mechanical latching

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 m $\Omega$

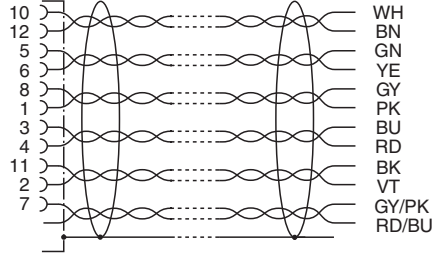
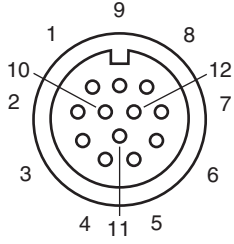
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## Technical Data

Insulation resistance		min. 100 MΩ
<b>Conformity</b>		
Degree of protection		EN 60529
Flammability		IEC 60332-1-2
<b>Ambient conditions</b>		
Ambient temperature		
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-5 ... 70 °C (23 ... 158 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
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		> 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 <sup>2</sup>
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 <sup>2</sup> 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
Mass		423 g
<b>Material</b>		
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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