

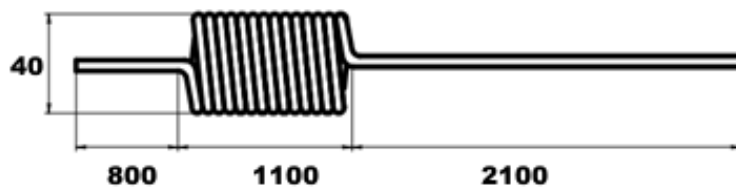
Semoflex Spezial 6x1 Naftamatika cable is designed to connect EMS122 load and position sensor to rod pump controller.

Cable consists of straight part, that at a certain place turns into spiral (optional) and then again to the straight one. The cable consists of 6 tinned copper conductors in tinned copper shielding with optical coverage 95%. On one side of the cable is mounted Amphenol Molex 03-09-1064 connector, on the other side are 6 wires and shielding.

To seal connection to load cell cable gland REMKE RSRS-206 is used.



Fig. 1 Semoflex Spezial 6x1 Naftamatika cable



Features:

- High reliability
- Wide operating temperature range
- Spiral option
- Long life

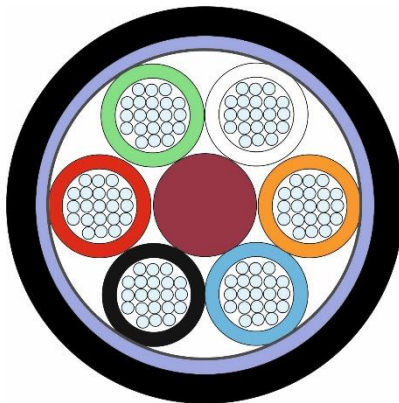


Fig. 2 wires in cable

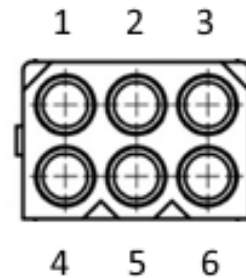
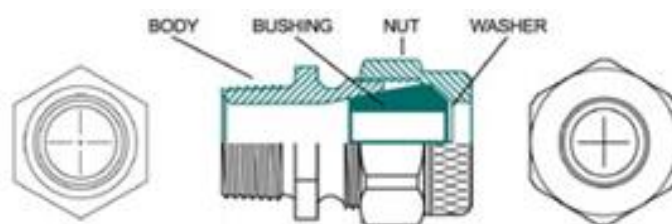


Fig. 3 Molex 03-09-1064 connector pinout

Pin	1	2	3	4	5	6
Color	Orange	Blue	White	Green	Black	Red
Net	9-18 V	GND signal.	Load signal	GND power	GND signal.	Accelerometer signal

Basic specifications

Operating temperature	-40°C to +80°C
Conductor	tinned copper 56x0,15mm VDE 0295 class 6
Insulation	FEP 6Y11 VDE 0207 part 6
Wires colors	white, green, red, black, orange, blue
Core arrangement	6 strands
Braid	PTFE foil 1 layer 25% overlap
Shielding	0,1 mm tinned copper wires
Jacket	PUR halogen-free, flame retardant
Diameter, mm	8,0 ± 0,2
Voltage, V	300
Conductor resistance, Ω	> 0.7
Insulation resistance, MΩ	> 20
Length, m	23
Weight, kg	3,4



Cable gland REMKE RSRS-206 has conical $\frac{3}{4}$ thread and is made of stainless steel. Cable gland provides pressurization of load cell and its explosive protection.