

Naftamatika Load Cell cable

Naftamatika supplies a range of highly flexible cables for outdoor installation in oil fields to connect moving parts, in particular, to connect the load cells to the pump controller. Various cable types intended for Naftamatika polished rod sensors and third-party devices.

Construction of cable is straight part at a certain place turns into spiral (optional) and then again to the straight. The cable consists of tinned copper conductors in tinned copper shielding with optical coverage 95%. At one end of the cable a connector is installed, the type of which depends on the modification, on the other side are wires and shielding.

The cables are designed for outdoor installation on a pumping unit, are protected from aggressive environments, do not support combustion and remain flexible over a wide temperature range.

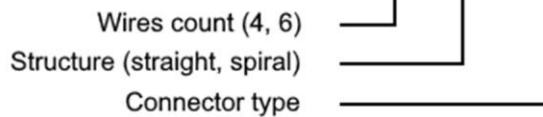


Features:

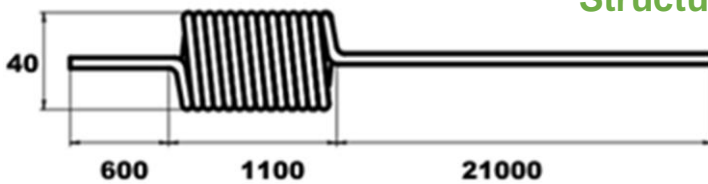
- High reliability
- Wide operating temperature range
- Spiral option
- Long life

Alphanumeric designation for order

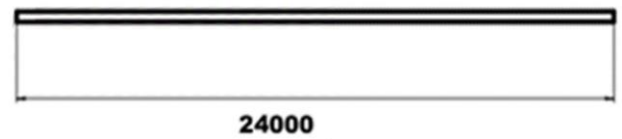
Naftamatika Semoflex Spezial - **4C** - **65F** - **PM**



Structure types

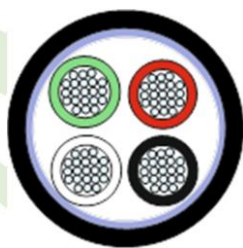


65F - With spiral part
(dimensions in mm)

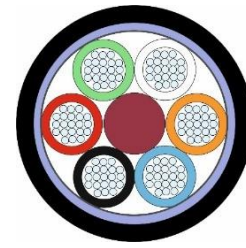


80F - Straight
(dimensions in mm)

Internal structure

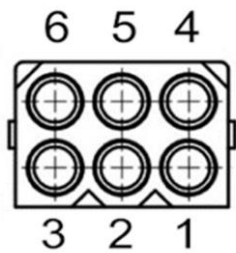


4C -4 wires - Green, Red, White, Black



6C -6 wires - Green, Red, White, Black, Orange, Cyan

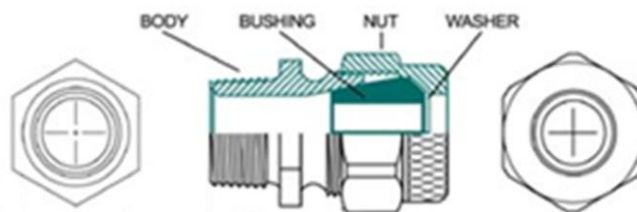
Connectors



PM - Molex 03-09-1064connector



PA - Amphenol DS3106A14S-6S connector



For Molex 03-09-1064connector (PM type), cable is additionally equipped with REMKE RSRS-206 cable gland which have conical $\frac{3}{4}$ thread and made from stainless steel. Cable gland provides pressurization of load cell and its explosive protection.

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
Braid	PTFE foil 1 layer 25% overlap
Shielding	0,1 mm tinned copper wires
Jacket	PUR halogen-free, flame retardant
Diameter, mm	7,0 ± 0,2
Voltage, V	300
Conductor resistance, Ω	> 0.7
Insulation resistance, MΩ	> 20