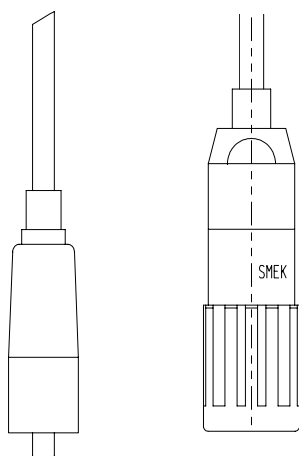


CABLES for pH/REDOX ELECTRODES and TEMPERATURE SENSORS

06/04



S7 cable socket

SixPlug cable socket

Detachable plug head-cable connection systems feature easy exchange of the electrode, integrated thread for mounting of the electrode in a housing, and high protection against moisture. Coaxial low noise measuring cables are used for transmission of the voltage generated by a pH or redox electrode. For connection of the cable to the meter it is important that the black conductive plastic layer is completely removed from the internal isolation, the isolated internal wire is as short as possible and enclosed by the screen. The international common coaxial electrode cable interface S7 has been specially designed to be moisture proof and noise-free, with sealing O-ring, gold-plated contacts, and Teflon insulation. The cable cap rotates independently of the cable and will not bunch up. In addition the S7 connector system can be furnished with a protective cover for heavy-duty industrial applications.

For pH-electrodes, conductivity cells and oxygen sensors with built-in temperature probe the multi-pin SixPlug cable system is available. Low-noise triaxial cable features transmission of the pH and temperature signal. The internal screen of the triaxial cable is connected to one point of the temperature probe and to the reference electrode. If the used pH instrument does not accept this 3-wire connection, the multi-wire measuring cable K 19 is recommended.

The length of the cable is distinguished by the number in meters after cable sign (for ex. K 43/2 measuring cable has a standard length of 2 m).

Connection Cable	Description	Application
K 43	low noise coaxial cable with plug head S7 cable socket and stripped ends	all electrodes and sensors with Euro standard plug head coaxial S7 system
K 44	low noise coaxial cable with plug head S7 cable socket and plug head S7 connector (extension cable)	all electrodes and sensors with Euro standard plug head coaxial S7 system
K 50	low noise coaxial cable with plug head S7 cable socket and German DIN plug	all electrodes and sensors with Euro standard plug head coaxial S7 system
K 51	low noise coaxial cable with plug head S7 cable socket and BNC plug	all electrodes and sensors with Euro standard plug head coaxial S7 system
K 54	low noise triaxial cable with SixPlug plug head cable socket and stripped ends	all pH/temperature electrodes with integrated temperature probe and with multipin SixPlug plug head
K 19	multi-wire screened cable (1 low noise coaxial cable; 4 (3) strands; screen) with SixPlug plug head cable socket and stripped ends	all pH/temperature electrodes with integrated temperature probe and multi-parameter sensors with multipin SixPlug plug head
K 18	multi-wire screened cable with SixPlug plug head cable socket and stripped ends	conductivity cells and temperature sensors with multipin SixPlug plug head

Specifications

Cable diameter	about 5 mm
Length	standard lengths pre-eminently 2 m, 5 m, 10 m (other lengths upon request)
Cable jacket	black, material PVC (K 18: PUR)
Temperature range	- 25 ... 70 °C
Bending radius	≥ 30 mm (K 18, K 19: 50 mm)

Sensortechnik Meinsberg GmbH

Quality System certified to DIN EN ISO 9001

Fabrikstraße 69

D-04720 Ziegra-Knobelsdorf /GERMANY

Internet: www.meinsberg.de

Tel. +49 34327 623-0

Fax +49 34327 623-79

