

## Electrode Cable

for the connection of measuring cell and transducer



The electrode cable is suited for the connection of pH and redox combination electrodes, metal and reference electrodes, conductivity measuring cells as well as temperature sensors with the respective transducer. The cable can be individually adjusted to the specific task and conditions by various connection options and a customer-defined cable length.

### Features

- special low-interference and low-noise two-core coaxial measuring cable (four-core cable for sensors with automatic temperature compensation on request)
- connection to electrodes, conductivity measuring cells and temperature sensors by threaded plug head connector PG 13.5 or plug head connector S+ via plug S-
- connection to transducer via BNC connector (straight or angled) or DIN connector
- robust design and long service life
- universally applicable at temperatures between -25 bis +70 °C
- easy handling
- keep connection free of wetness  
→ in case of high humidity conditions and severe water condensation an encapsulation with silicone rubber necessary
- not UV-resistant

### Application fields

- preferred application in water treatment, water purification and exhaust air cleaning plants
- suitable for general laboratory and industrial measurements

## Technical data

Parameter	Description
design	coaxial cable
inner conductor	cathode copper massive
outer conductor / shielding	cathode copper, galvanised meshwork applied on semiconductor
conductor resistance	$\leq 90 \Omega/\text{km}$
capacity	nom. 72 pF/m
permitted temperature range	-25 to +70 °C
diameter	5 mm
material	PE – PUR
measuring cell connection	plug S- (matching to threaded plug head connector PG 13.5 and plug head connector S+)
	no connection
transducer connection	BNC connector straight
	BNC connector angled
	DIN connector $\varnothing$ 5 mm
	no connection
remarks	removal of semiconductor coating within connection area (danger of short-circuit)
	only use of high-resistance insulating tape made of rubber in case of extending the wire length

When ordering please indicate the following properties:

- desired cable length
- sensor connector
- transducer connector

We will be pleased to assist you by selecting the suitable options that meet your requirements. In addition to the displayed options special customized designs are certainly possible. Please contact us!

Specifications are subject to modifications.