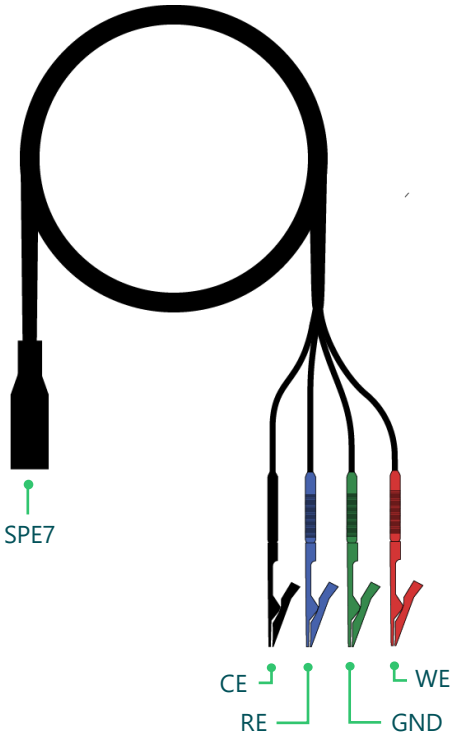
Technical Datasheet

SPE7-BANANA-CABLE



General Description

Product name:	SPE7-Banana-Cable
Product part number:	ZP4000403
Revision number:	v0.0

Product Description

The SPE7-Banana-Cable provides electrical connection between a Screen-Printed Electrode (SPE) and standard banana plugs for Working (WE), Counter (CE), and Reference (RE) electrodes, with an additional Ground (GND) connection.

Crocodile clip adapters for the banana plugs are included.

Dimensions

Total Cable Length	815 ± 15 mm
Cable Diameter	4.8 mm
Banana Plug Length	12 mm
Banana Plug Diameter	2.0 ± 0.2 mm
Max SPE Width	7 mm
Max SPE Thickness	1 mm
Weight	43 ± 1 g

Materials

BANANA PLUGS
Nickel-plated brass, Nylon

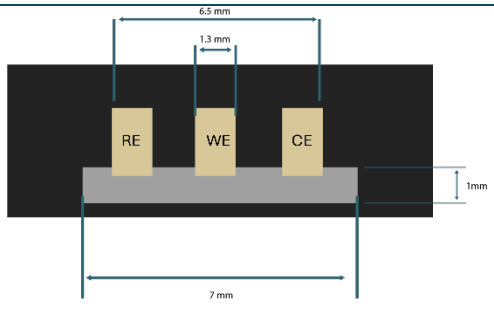
LEMO-5 CONNECTOR
Brass with Nickel and Chrome plating

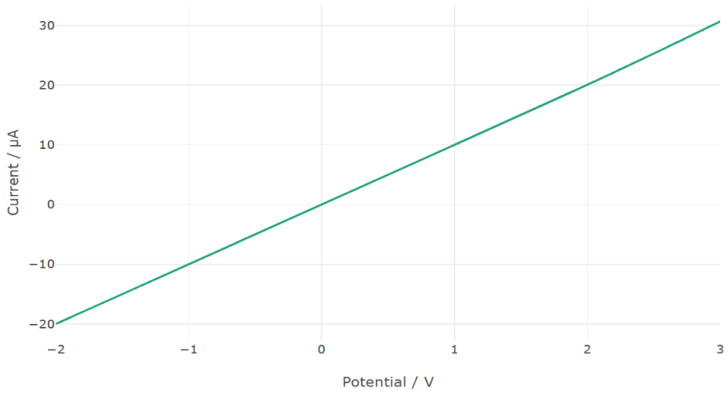
CABLE JACKET
PUR, halogen-free

INSULATION
PP, halogen-free

CONDUCTOR
Copper

SPE7 Connector Pins and Dimensions





Performance

An example verification curve is shown for an applied potential sweep from −2 V to +3 V and a current range of 10 nA to 10 mA, measured using a 100 kΩ validation resistor. The cable may be operated beyond the potential and current ranges presented. However, electrical performance has only been verified within the stated conditions. Use beyond these conditions is at the user's discretion and has not been validated.

For the most convenient usage, we recommend using the cable with ZP-supplied singulated sensors.

Components and hazards

This product does not require material disclosure under applicable regulations.

Storage

Recommended to store in an ESD safe environment, 2-35 °C temperature and 20-50% RH.

Disclaimer

Please note that this product is intended solely for research and development applications. It is designed to be utilized specifically in electrochemical test setups.

For further information or to discuss specific application requirements, please contact ZP directly.