

# Application Note: Number AN8

## Electrode Cable

The cable used for pH and ORP electrodes is a special screened low noise cable. The electrode is a high impedance device and is coupled to a high impedance measuring instrument.

The cable incorporates a special conductive rubber material known as an anti-microphonic layer. This prevents voltages being generated when the cable is moved or vibrated.

### Special Note:

Most electrodes are supplied with a BNC connector fitted. It is often necessary to remove the BNC connector or shorten the cable to make the cable suitable for connecting to screw terminals. **IMPORTANT** When re-terminating the cable, the anti-microphonic layer must be stripped back from the centre conductor to prevent a short circuit in the cable.

### Techniques for re-terminating the cable

