

# IONX PERMANENT ELECTRODES

## DESIGNED FOR BURIAL IN SOIL ELECTROLYTES

### SPECIFICATIONS

[copper/copper sulfate]

- Design Lifetime: 40 years
- Contact Area (with soil): 16.5 sq. in. (106.5 cm<sup>2</sup>)
- Overall length: 16.0 inches (40.64 cm)
- Max. Diameter: 2.77 inches (7.04 cm)
- Weight: 2.7 pounds (1.23 kg)
- Wire Length: 25 feet (7.62 m) Custom Lengths Available
- Wire Gauge: #12 AWG stranded copper wire with XLPE insulation.



IonX40  
Item #14665

### "GREEN" REFERENCE ELECTRODES

- All IonX Permanent Reference Electrodes incorporate the IonX non-porous, ionically-conducting plug technology.
- Zero leakage of half-cell filling solution - electrodes do not leak any corrosive elements into the soil.
- Zero contamination of electrode by electrolyte - electrode half-cell potential is not affected by electrolyte elements, such as chloride ions.
- Copper/copper sulfate electrode potentials are in the range 316mV  $\pm$ 10mV @ 25°C versus the Standard Hydrogen Electrode (SHE) potential.
- Electrodes can be stored at temperatures down to -20°C.

