



- Long Lifecycle
- Effective Performance
- Cost Efficient
- Corrosion Resistant



Marine Electrode

Underwater Grounding Revolutionized

SAE's **Marine Electrode** is a submersible grounding electrode specifically designed for applications where water bodies near utility structures provide the only viable grounding option. The **Marine Electrode** offers the following advantages:

- Enhanced, corrosion free underwater grounding
- Environmentally friendly
- High strength and low permeability
- Unaffected by freeze-thaw cycling

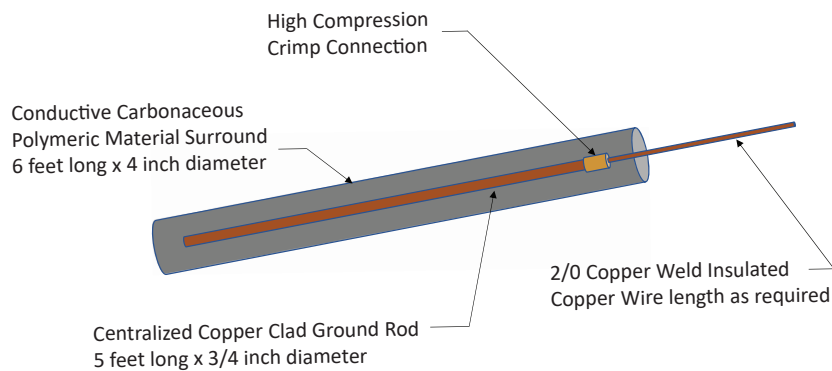
SAE's **Marine Electrode** is a 6' long, 4" diameter ground electrode that consists of a 3/4" copperclad ground rod factory molded inside an impermeable conductive polymer. The density of the material allows the **Marine Electrode** to sink when placed into the water.



Applications

Where utility structures are installed in surface bedrock locations and local bodies of water afford the only practical grounding solution.

Product Specifications



Properties	Typical Value
Permeability to Water	1.72 x 10 ⁻⁷ cm/sec (ASTM D5084)
Resistance	0.031 Ω
Resistivity	30.39 Ω·cm
Electrolytic Corrosion Resistance	
Copper	Eliminated (98 – 100%)
Steel	Eliminated (98 – 100%)
Galvanized Steel	Eliminated (98 – 100%)
Freeze-Thaw Withstand	30 years
Environmental Impact	Neutral

Updated: 5/17/2019