

Anode Ground Rod

Completes the Electrical Circuit in Tracer Wire Systems



The 1.5 lbs. Magnesium Anode Ground Rod is an anode grounding rod designed for seamless integration into tracer wire systems to complete the electrical circuit necessary for enhanced signal detection. The anode ground rod has a diameter of 1.31 inches and a length of 18.5 inches, making it compact yet effective for its intended application. Its design ensures secure placement within backfill environments, optimizing electrical conductivity and signal transmission.

- High-purity **MAGNESIUM GROUND ROD**, with 20 feet of red 12 AWG wire, ensures flexibility in placement.
- **HDPE CAP** encases the ground rod for protection and ease of installation. It enhances durability, making the anode suitable for direct burial in various soil conditions.
- Waterproof, direct-bury **TWIST CONNECTOR**, allows for secure integration into underground systems and for easy splicing with tracer wire. Ensures a reliable electrical connection.

The anode ground rod has a high-potential magnesium composition, with Aluminum (2.5-3.5%), Zinc (0.6- 1.4%), Magnesium (0.2-1.0%), Iron (0.002% max), Copper (0.05% max), Nickel (0.005% max), and Silicon (0.10% max), ensures superior performance and longevity. Operating with an open circuit voltage of 1.57-1.67 (-V. Cu/CuSO₄) and an actual capacitance exceeding 1210 Ah/Kg, the anode efficiently enhances signal transmission. Its current efficiency surpasses 55%, making it an ideal component for utility locating in underground infrastructure. The configuration simplifies installation while ensuring long-term reliability, ultimately improving the accuracy and efficiency of tracer wire systems.

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Item №	Anode Size	Cable Length	Weight
625-200-00100	1.5 lbs.	20 ft.	2.25 lbs.