



Lightning Protection System Components: Specifications for Conductors, Earth Electrodes, and Earthing Enhancement Compounds

Testing standards apply to lightning conductors and grounding electrodes within air-termination-systems, as well as to earthing enhancement materials designed to improve grounding efficiency in lightning protection setups.

The reference standard provides test methods for evaluating metallic conductors used in air termination and down conductor systems, as well as metallic earth electrodes in earth-termination systems. These components are critical in ensuring that the grounding system performs reliably, stably, and safely for nearby people and equipment. The design and material selection for these conductors and electrodes must align with application-specific requirements, taking into account factors such as material longevity, resistance to galvanic corrosion, and compatibility with other connected materials or systems.

