Products Description

copper clad steel grounding round wire is a new type of grounding body made by our company using electroplating, continuous casting and other processes. It is made by covering the surface of special steel core with purity of 99.9% copper using advanced technology. The thickness of copper plating is greater than or equal to 0.25 mm. The electrical conductivity is the same as that of copper rods of the same diameter, but the cost is much lower than pure copper. The corrosion resistance is far better than galvanized steel. It has many advantages such as good electrical conductivity, low resistance, superior corrosion resistance, convenient transportation, convenient construction, and high construction efficiency. It is a better choice to replace traditional grounding materials such as round steel, angle steel, and galvanized flat steel.

Scope of application

It is suitable for high-requirement work grounding, protective grounding, lightning-proof grounding, and anti-static grounding horizontal grounding bodies in general environments and special environments where damp, saline-alkali and acidic soils produce chemical corrosive media. The mechanical properties of electroplated copper-clad steel are more excellent, and the anti-corrosion performance of continuous-cast copper-clad steel is even better. It is recommended to use continuous-cast copper-clad steel grounding round wires for those with more severe corrosion conditions and low requirements for mechanical stress. : Horizontal grounding electrode in an extremely acid environment), please use different types of grounding round wires according to the specific situation.

Copper-clad steel round wire model table

Product specifications	Cross-sectional area (mm)	Copper layer thickness (mm)	Delivery length (m)
ф8	s50	>=0.25	100-500
ф10	s70	>=0.25	100-500
ф12	s120	>=0.25	100-500
ф14	s150	>=0.25	100-500
ф16	s200	>=0.25	100-500

The above are conventional models. For other information, please contact UNI GROUNDING & EARTHING INDUSTRY or come to our factory headquarters to learn more about our products and services.

Copper clad steel round wire product performance

Serial number	Technical content	Technical Parameters
1	Conductor diameter	8/10/12/14/16mm
2	Length of finished product	Single strand
3	Conductivity	Good conductivity and stable electrical performance
4	Copper layer thickness	>=10mil/0.25mm, the thickness can reach 0.8mm
5	Production Process	The molecular structure is alloyed by a special process, and the three-metal interface is completely combined, so as to achieve a ductile salt-gold connection between copper and steel, and increase the mechanical strength and corrosion resistance of the finished product, which meets the standards and specifications of the State Grid Corporation
6	Service life	According to the China Electric Power Research Institute's copper-clad steel material electrochemical accelerated clothing test research, the S2-22 series copper-clad steel grounding products coated with a 0.01-inch copper-clad steel layer can be used in almost all soils in China for more than 100 years life
7	Soil suitability	Suitable for any extremely harsh soil environment such as mountains, rocks, strong acid and alkali
8	Packing	10 meters/roll, 500 meters/axis independent packaging, with product certificate and original nameplate

9	Certification content	The product has passed the authoritative National Electric Power Research Institute certification
10	Scope of application	Copper-clad steel round steel has a small allowable bending radius, so it is convenient to bend and easy to pass through. It can be supplied in rolls, which is convenient for transportation and mechanized construction. It is widely used in the horizontal grounding part of the ground grid and can replace traditional galvanized steel. And pure copper
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