




公司自成立以来,一直秉承“质量第一,客户至上”的经营理念。以质量求发展,以管理求效益。可靠的质量和客户的满意是我们不变的目标!

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 **安徽钰鑫金属制品有限公司**
Anhui Yuxin Metal Products Co., Ltd.



Forge ahead the pursuit of excellence
锐意进取 追求卓越
 专业生产铜包铝线 Professional production of copper-clad aluminum wire



公司简介

COMPANY INTRODUCTION

安徽钰鑫金属制品有限公司地处宣城经济技术开发区秋实路228号,交通方便,地理位置优越。

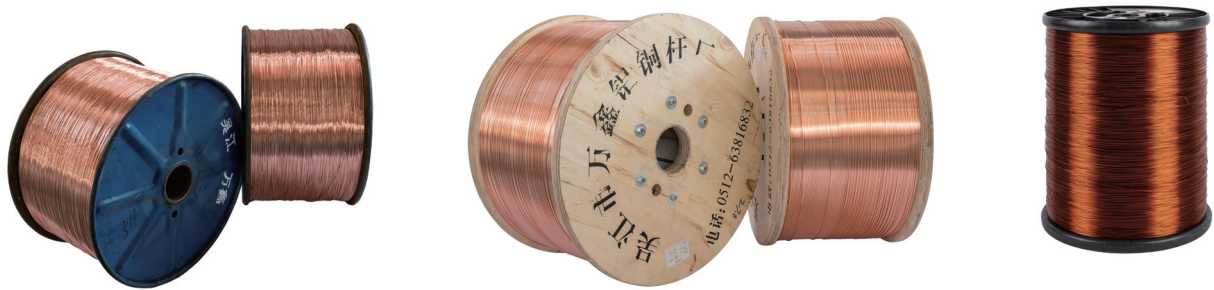
公司前称吴江市万鑫铝铜杆厂位处太湖之滨七都镇,创建于2006年3月,以铜包铝、镀铜、铝丝生产、销售为主因厂房面积不能满足企业的长远发展,现公司征用宣城经济技术开发区内土地成立本公司,公司现占地面积10000平方米,现以生产铜包铝、镀铜丝、铜包铝漆包线、镀铜漆包线、塑料制品、电机开发、生产、销售为主,公司于2021年8月份正式投产生产漆包线,拥有国内先进的漆包线生产线十六条,产品按国标严格执行。主要工艺为:购进铜带铝杆包覆-拉丝包漆-成品。年可生产0.11-0.80的各种规格漆包线8000余吨,主要应用于机电、变压器、电磁线家电厂家的生产,公司销售主要以国内各大型线缆上市企业为主,产品性能稳定,质量上乘。

Anhui Yuxin Metal Products Co., Ltd. is located at No. 228 iushi Road, Economic and Technological Development Zone of Xuancheng City, with convenient transportation and superior location.

The former name of the company is Wujiang Wanxin Aluminum and Copper Rod Factory, which is located in QiduTown on the bank of the Taihu Lake, It was founded in March 2006, focusing on the production and sales of copper clad aluminum, copper plating, and aluminum wire. Since the plant area can not meet its long-term development , the company now expropriates the land in Economic and Technological Development Zone of Xuancheng City to establish its company. The company now covers an area of 10,000 square meters and mainly produces copper clad aluminum, copper plating wire, copper clad aluminum enameled wire, copper plating enameled wire, plastic products, motor. The company officially launched production of enameled wire in August 2021, with 16 domestic advanced enameled wire production lines, and the products are strictly implemented according to the national standard stictly. The main production process is to purchase copper strip and aluminum rod for coating, draw wire , coat, and then finish products. The company can produce over 8000 tons of enameled wire of varius specifications from 0.11 to 0.80mm per year, and its products are mainly used in the production of electromechanical, transformer, electromagnetic wire appliance manufacturers. The company's sales mainly focus on domestic large cable listed companies, with stable product performance and superior quality.

铜包铝线 Copper clad aluminium

简介/Short Description



铜包铝(CCA)线是一种由铜包铝芯组成的双金属线它同时具有铜的良好导电性和铝的重量轻的特点。是同轴电缆内导体和电气设备电线电缆的首选材料。这两种金属的组合使其非常适合许多电气应用。铜包铝线兼具铜的导电性好、强度高、可焊性强,铝的密度小,易加工等诸多优点,自身又具有铜层密度均匀、高致密性、高延展性。

Copper clad aluminium (CCA) wire is a bimetallic wire consisting of an aluminium core clad with copper, which simultaneously has the features of copper' s good electrical conductivity and aluminium' slight weight. It's the preferred material for inner conductor of coaxial cable and electrical equipment wire and cable. The combination of these two metals make it uniquely suited to many electrical applications. CCA possesses good, high strength, and strong solderability of copper, as well as the low density and good workability of aluminum. Besides, it has the advantages of uniform density, high compactness and high flexibility.

线径规格Diameter:0.1mm-5.15mm
产能Capacity:800 t/m

特色/feature

- CCA结合了铝和铜的优点
- 与铜导体相比,弹性较高,由于CCA的比重低于普通铜,因此材料重量减少63%;
 - 与铝导体相比, 由于铜层,比铝具有更好的耐腐蚀性,铜的高导电性导致电阻降低,更好的可焊性,强度高于铝;
- Compared to copper conductors:
- Higher Flexibility due to lower elastic modulus;
 - 63% material weight reduction due to lower specific gravity of CCA over regular copper;
- Compared to aluminum conductors:
- Better corrosion resistance than aluminum due to copper layer;
 - Lower resistance due to high electric conductivity of copper;
 - Better Solderability;
 - Higher strength than aluminum;





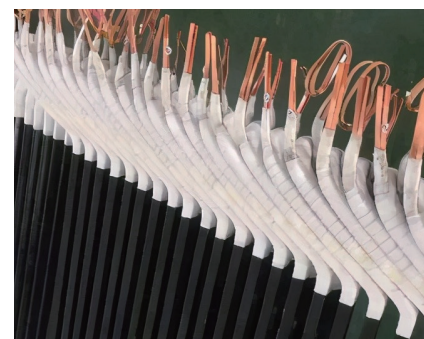
用途/Application



Data cable
数据线



Power cable
电线



Motor winding wire
风机绕组线

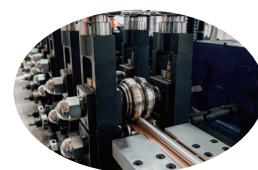
- 高频信号传输领域:
有线电视同轴电缆中的标准导体材料
50欧姆射频天线
漏电缆
软同轴射频电缆
数据线
- 电力传输领域:
绞线
电力电缆
控制电缆
汽车电缆
建筑配电线
母线
射频屏蔽
- 特殊电磁线:
扬声器
耳机
硬盘驱动器
终端的感应加热

- In high frequency signal transmission field, it is applied to:
Standard Material of Conductor in CATV Coaxial Cable
50 Ohm Radio Frequency Aerial
Leaky Cable
Soft Coaxial Radio Frequency Cable
Data Cable
- In power transmission field, it can be applied to:
Stranded wire
Power Cable
Control Cable
automotive cable
Building distribution wire
Busbar
Radio Frequency shielding
- In special electromagnetic wire, it can be applied to:
Loudspeakers
Headphone
HDD
Induction heating with the need of good termination

工艺流程/Process Flow



Cu tape, Al rod Pretreatment
铜带铝杆预处理



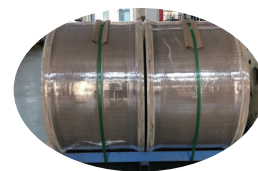
Cladding-Welding Process
包覆焊接工艺



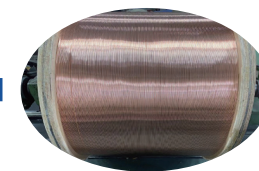
Combined Wire Drawing
组合拉丝



Online Quality Detector
探伤



CCA Wire for Delivery
打包



Wire Taking Up
收线



Tanker Annealing
井式退火





铜包铝漆包线 Enameled Copper Clad Aluminum Wire

简介/Short Description

漆包铜包铝线是一种新型电磁线,以铜包铝为内导体材料,具有铜铝特性。它结合了优异的铜导电性和轻质铝。

Enameled Copper Clad Aluminum wire is a new electromagnetic wire taking copper clad aluminum as inner conductor material, with characteristics between copper and aluminum. It combines excellent conductivity of copper and light weight of aluminum.

线径规格 Diameter:0.10-1.1mm

产能 Capacity:500t/m

标准Standard:SJ/T11223-2000GB/T6109.1~11-2008



产品类别/ Product Type

- 聚酯漆包线CCAQZ(PEW);
- 聚氨酯漆包线CCAQA(U EW);
- 聚酯亚胺漆包线CCAQZY(EIW);

特色/Feature

- 直流电阻率
CCA线的直流电阻率约为铜线的1.45倍;在相同的电阻下,CCA线约为1/2重铜线;
 - 良好的可焊性
CCA线包覆有一层同心铜,因此它具有与铜线相同的可焊性,不需要像铝线那样经过特殊处理;
 - 重量轻
CCA线的密度是相同直径的铜线的1/3;非常有效地减少电缆和线圈的重量;
- DC resistivity
The DC resistivity of CCA wire is approximately 1.45 times that of copper wire; with the same resistance, CCA wire is about 1/2 heavy of copper wire;
 - Good solderability
CCA wire is clad with a layer of concentric copper, so it has the same solderability as copper wire and doesn't need special-treatment as aluminum wire;
 - Light weight
The density of CCA wire is 1/3 of copper wire of the same diameter; very effective to reduce the weight of cables and coils;

用途/Application

- 扬声器音圈,其频率可达500HZ-1600Hz,可减轻振动重量,保持高保真效果。
 - 监控偏转线圈,它可以降低线圈温度,提高图像稳定性,延长使用寿命。
 - 监控消磁线圈,它可以降低产品成本。
 - 电磁炉中的变压器绕组,它可以减少产品重量。
 - 电磁炉底盘,它可以降低生产成本。
 - 钠灯镇流器,它可以减少产品重量。
 - 航空航天仪器的各种绕组,它可以减少产品重量。
 - 高频变压器,通用变压器。
 - 电机,家用电机,微电机,压缩机。
 - 感应线圈。
 - 如小型变压器绕组,微电机转子线圈。
- Loudspeaker voice coil,lts frequency can reach 500Hz-1600Hz, It can reduce vibration weight and keep high fidelity effect.
 - Monitor deflection coil, It can lower coil temperature, improve image's stability, increase usage life.
 - Monitor degaussing coil, It can lower product cost.
 - Transformer winding in induction cooker, It can reduce products weight.
 - Induction cooker chassis, It can reduce production cost.
 - Sodium lamp ballast, It can reduce product weight.
 - Various windings of aerospace instruments,It can reduce product weight
 - High-frequency transformers, general transformers.
 - Motor, household motors, micro motors, compressor.
 - Induction coils.
 - Others, Such as small transformer windings, micro motor rotor coils.

工艺流程/Process Flow

