

凝／心／聚／力．再／创／辉／煌

拥抱梦想 共赢未来

Future Forged Together: Dream-Driven Partnership

杭州弘通线缆有限公司

Hangzhou Hongtong Wire&Cable Co.,Ltd.

· 荣 耀 同 行
· 梦 想 起 航



HONGTONG
弘通

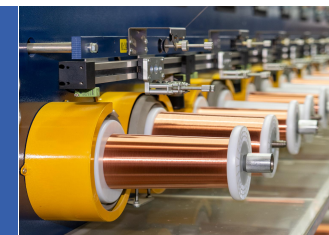
高品质好服务

*Superior Quality
Dedicated Service*



Hangzhou Hongtong Wire&Cable Co.,Ltd.

杭州弘通线缆有限公司





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PART 01

公司简介

HT Company Profile



Since
2004

公司简介 Company Profile



高品质
好服务

Superior
Quality,
Dedicated
Service



弘通公司成立于 2004 年，专业研发、生产及销售微细与特种漆包电磁线，拥有杭州弘通线缆有限公司（杭州西郊仓前）和宣城弘通电工科技有限公司（安徽宣城经济技术开发区）两大生产基地。

公司主要产品包括：直径 0.035mm—1.000mm（AWG47-AWG18）漆包铜圆线；漆包绞线、丝包线、膜包线、挤出线；中小规格漆包铜扁平线。产品广泛应用于新能源、家电、汽车电器、仪器仪表、消费电子及移动通讯等领域。

所有漆包线产品均符合国标 GB/T-6109、IEC60317、NEMA MW1000、JIS C3202 标准，支持客户定制加工，**年产各类漆包电磁线约 1.5 万吨。**

公司秉承「高品质好服务」宗旨，专注高质量发展，致力于为客户创造价值。

Hongtong Corporation (est. 2004) specializes in R&D, manufacturing, and sales of precision fine & specialty enamelled magnet wires, with dual production bases Hangzhou and Xuancheng. HT's core product portfolio includes: enameled copper round wires ($\varnothing 0.035\text{mm}$ - 0.600 mm /AWG47-AWG18), enameled stranded wires, silk-covered wires, film-insulated wires, and extruded wires, alongside medium/small flat enameled copper wires, serving new energy, home appliances, automotive electronics, instrumentation, consumer electronics, and mobile communications sectors.

All enameled wires comply with GB/T-6109, IEC 60317, NEMA MW1000, and JIS C3202 standards, offering customizable solutions with **annual production capacity of ~15,000 MT**. Steadfastly upholding our commitment to "Superior Quality, Dedicated Service," we relentlessly pursue quality-driven development to deliver exceptional value for global clients.

Since
2004

发展历程 Evolution Journey



2004年



公司成立

Company Establishment

2006年



购买土地

Land Acquisition Phase

2014年



扩大规模

Expand the scale

2020年



宣城立项

Xuancheng Project
Groundbreaking

2023年



宣城投产

Xuancheng Operation
Commencement

2024年-



新品量产

New product mass
production

成立杭州工厂：
杭州弘通线缆有限公司

Establishment of
Hangzhou Factory:
Hangzhou HongTong
Wire & Cable Co., Ltd.

公司购买土地40亩，新建厂房占
地面积23000平方米

Land Acquisition &
Facility Construction
- Land: 40 Mu
(≈26,667 m²/6.6 Acres)
- Built-up Area: 23,000 m²
(Coverage: 86.2%)

增加注册资金3080万元，
继续扩大生产规模

Registered Capital Increase
for Capacity Expansion
- Injection: CNY 30.8 Million
- Production Capacity ↑ 150%

投入5000万人民币成立宣城弘通
电工科技有限公司，公司总厂房面
积达5.3万平方米

Xuancheng Hongtong Electric
Technology Co., Ltd
- Investment: CNY 50 Million
- Plant Area: 53,000 m²

宣城工厂正式投入运营，形成两大
生产基地。公司筹划并成立新能源
线材事业部，开发组合绝缘线等
特种线。

Operationalization of Dual
Manufacturing Hubs:
Hangzhou HQ Base & Xuancheng
Advanced Materials Hub.
Strategic Launch of New Energy
Wire Division
- Focus: Composite Insulated
Wires

公司绞线、丝包线、膜包线产品开
始量产，取得UL认证，以及加入亚
绝绝缘系统，多款新品持续开发中。

Mass production commenced
for litz wire, silk-covered wire,
and film-insulated wire
products, all UL-certified
under the Asian Insulation
System (AIS), with multiple
novel product lines in ongoing
development

Since
2004

品质保证 Quality Assurance



UL认证号码: E326617



弘通公司依据质量体系追溯要求，通过信息管理系统采集、整理、管理和存储漆包绕组线全生产过程的质量记录。

采用条码技术为每轴入库产品赋予唯一识别码，实现客户产品的质量信息快速追溯。

HT company collects, organizes, manages, and stores quality records across the entire production process of enameled winding wires through its information management system, in compliance with quality system traceability requirements. Utilizing barcode technology to assign unique QR codes to each spool upon warehousing, enabling real-time tracking control and rapid quality traceability for customer-specific products.

弘通在遵循 IEC、GB 等国际及国家标准基础上，按客户专项品质需求设计生产。

公司注重过程质量管理体系建设，依 ISO 9001:2015 实施生产管控，所有产品通过 IATF16949、UL 认证及 ROHS、REACH 指令认证。

HT conducts design and manufacturing operations in compliance with IEC, GB, and other international/national standards, while fulfilling customers' specialized quality specifications.

Our company dedicates to establishing robust process quality systems, implements ISO 9001:2015-controlled production management, and delivers products triple-certified to IATF 16949, UL standards, along with ROHS and REACH compliance.

Since
2004

品质保证 Quality Assurance



所有产品均取得**UL**及**ROHS**环保、**REACH**认证。

All products maintain UL safety certification along with ROHS and REACH environmental compliance certifications.

公司已通过**IATF16949**及**ISO9001**质量体系认证, 并取得多项专利证书。

HT company holds IATF 16949 and ISO 9001:2015 quality management system certifications and has secured multiple patent certificates.



Since
2004

应用领域 Application Area



消费电子 Consumer Electronics



新能源汽车 New Energy Vehicles



工业自动化 Industrial Automation



仪器仪表 Instrumentation & Control Systems



移动通信 Mobile Communications



汽车电器 Automotive Electronics



医疗电子 Medical Diagnostics Electronics



新能源 Clean Energy Systems

HONGTONG

Since
2004

合作客户 Partner Customers



三花汽零
SANHUA AUTOMOTIVE



裕正
YOZEA



HOLLEY 华立



盾安集团



南洋



天行



翔升实业
XIANGSHENG INDUSTRIAL



WEN



卧龙



MOTOR DECHANG



东莞市爱迪机电科技有限公司
DONGGUAN ET MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD.



万佳电器
WANJIA ELECTRICAL APPLIANCE

.....



PART 02

厂区介绍 Plant Area Introduction



Since
2004

杭州厂区 Hangzhou Factory Area



杭州厂区是弘通公司总部所在地，自有土地面积2.6公顷，厂房建筑面积2.3万平方米。坐落于杭州市西郊仓前，距离杭州市新地标杭州西站1.8公里、紧邻S14省道(杭长高速)。

The Hangzhou facility serves as the headquarters of Hongtong Corporation, occupying a land area of 2.6 hectares with a factory building space of 23,000 square meters. It is located in Cangqian on the western outskirts of Hangzhou, situated 1.8 kilometers from the city's new landmark Hangzhou West Railway Station and adjacent to Provincial Highway S14 (Hangzhou-Changxing Expressway).

01

厂区拥有国内先进的包漆生产线20余条，各种拉丝设备200余台，生产0.035mm-1.00mm区间的各种规格型号漆包电磁线，年生产能力超过7000吨。

The factory area is equipped with over 20 advanced domestic enameled wire production lines and more than 200 wire drawing machines, capable of producing various specifications of enameled electromagnetic wires ranging from 0.035mm to 1.00mm, with an annual production capacity exceeding 7,000 tons.

02

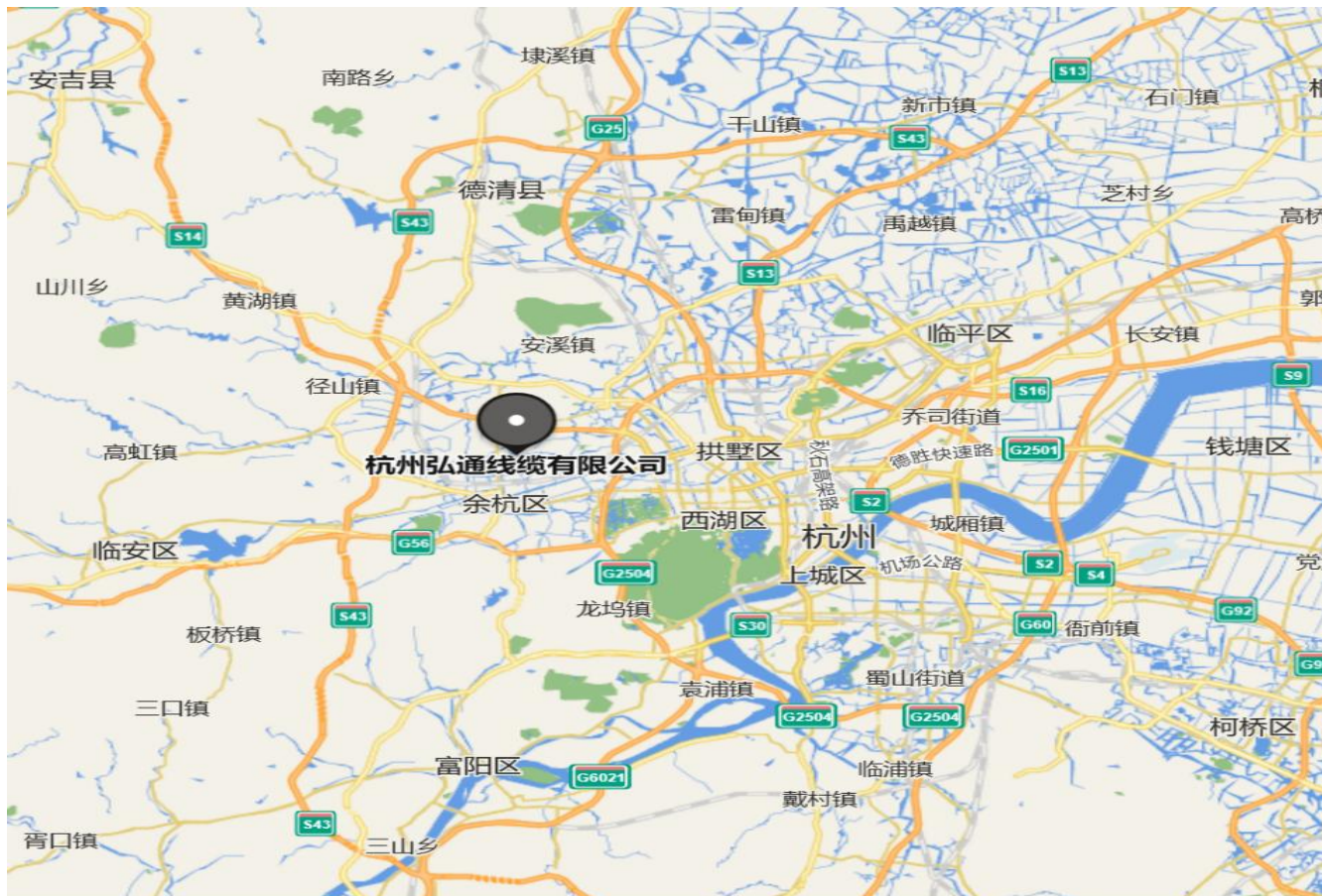
公司特种线事业部，主要承担组合绝缘线的生产研发，目前各类绞线、丝包线、膜包线、挤出线等产品已初具规模，月产能已达到100余吨，并在快速增长过程中。

The Special Wire Division of the company is primarily responsible for the production and R&D of composite insulated wires. Currently, various products such as litz wires, served litz wires, taped litz wires, and extruded litz wires have begun to take shape, with a monthly production capacity exceeding 100 tons, which is in a phase of rapid growth.



Since
2004

工厂位置 Hangzhou Plant Location



Since
2004

宣城弘通电工科技有限公司



Xuancheng Hongtong Electrotech Co., Ltd.

宣城工厂作为弘通公司主要生产基地，坐落于宣城市国家级经济开发区，自有土地面积3.3公顷，建筑面积3万平方米，新厂区以数字工厂和智慧工厂为管理目标，并向“专、精、特、智”的方向发展，同时提高产品的科学技术含量和产品附加值。

As the primary production base of Hongtong Company, the Xuancheng Factory is located in the National Economic Development Zone of Xuancheng City, covering a land area of 3.3 hectares with a construction area of 30,000 square meters. The new factory area adopts digital and smart factory management objectives, developing towards specialization, refinement, uniqueness, and intelligence while enhancing the scientific and technological content as well as the added value of its products.

Since
2004

宣城厂区 Xuancheng Location



厂区1 Plant Area 1



厂区地图 Factory map



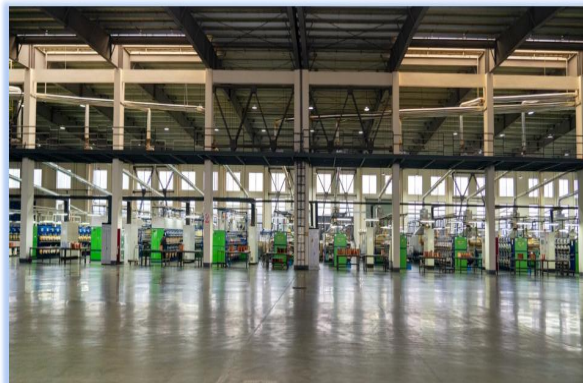
厂区2 Factory map



Anhui Xuancheng Factory View

Since
2004

工厂一角 VIEW OF WORKSHOP

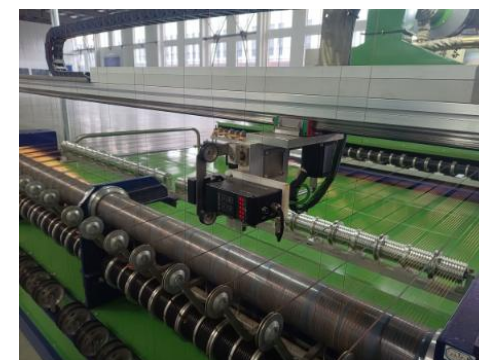


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2004

现场管理 On-site Management

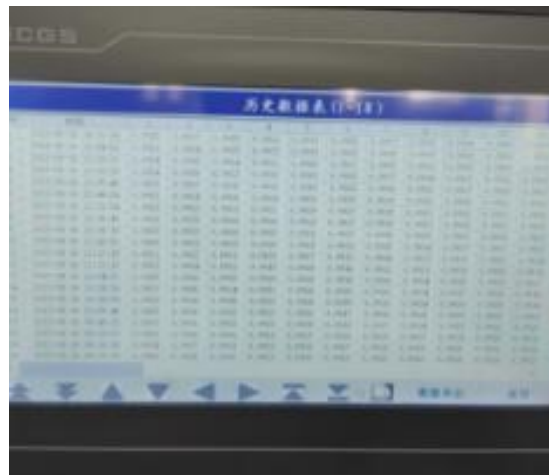


线径监测 Wire diameter monitoring



Since
2004

品质保证 Quality Assurance





PART 03

产品介绍 Product Introduction

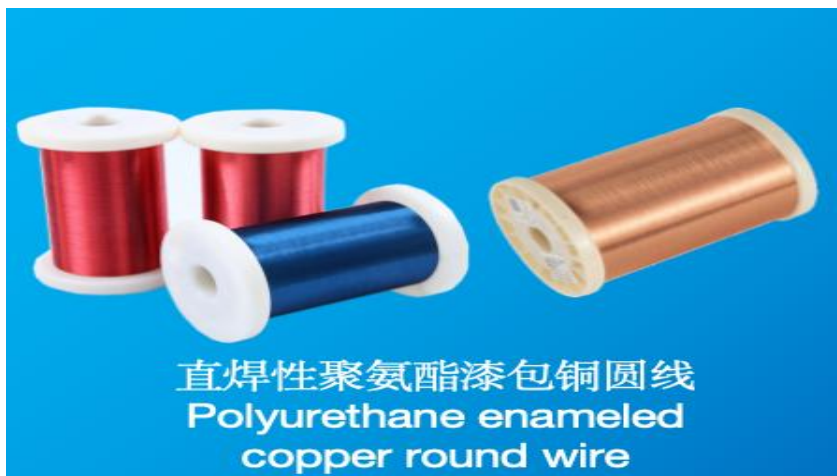
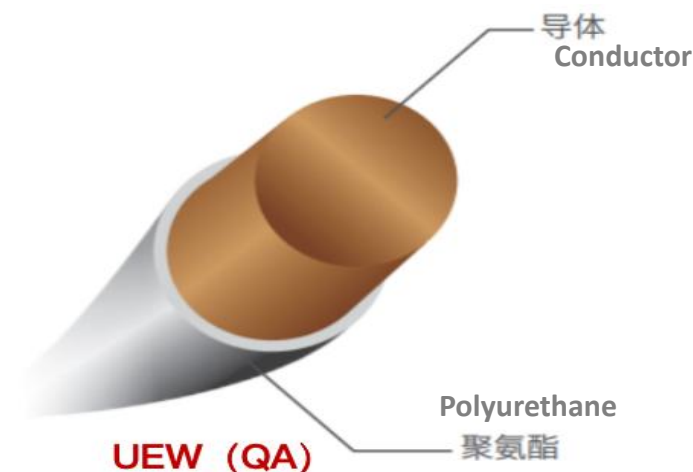


Since
2004

漆包铜圆线 ENAMELLED ROUND COPPER WIRE



- 直焊性 Weldability
- 优秀的绝缘性能
Excellent insulation performance
- 高频应用时低介质损耗 Low dielectric loss at high-frequency applications
- 多颜色可选
Multiple color options available



直焊性聚氨酯漆包铜圆线
Polyurethane enameled
copper round wire

- ◆ 规格 Specifications:
0.035mm~1.000mm (AWG47-AWG18)
- ◆ 耐热等级 Heat resistance grade: 130, 155, 180
- ◆ 漆膜厚度 Paint film thickness: 0种、1种、2种、3种
- ◆ 产品标准 Product standard: JIS C 3202、IEC60317-4、IEC60317-51、NEMA MW75-C/79-C/82-C或根据客户定制生产
(Customizable upon customers' requests)

主要用途:
继电器、微电机、
变压器、电感器、
汽车线圈。

Main applications:
relays,
micromotors,
transformers,
inductors,
automotive coils.

Since
2004

漆包铜圆线 ENAMELLED ROUND COPPER WIRE



- ◆ 规格 Specifications: 0.035~1.000mm (AWG47-AWG18)
- ◆ 耐热等级 Heat resistance grade: 130, 155, 180
- ◆ 漆膜厚度 Paint film thickness:
HEX、QPN、0种、1种、2种、3种
- ◆ 产品标准 Product standard
IEC60317-19、IEC60317-21、NEMA MW28-C/80-C/83-C或根据
客户定制生产
- ◆ 直焊性 Self-solderable
- ◆ 耐磨性 Abrasion resistance
- ◆ 优秀的耐热性能 Excellent heat resistance
- ◆ 优秀的绝缘性能 Excellent insulation performance
- ◆ 多颜色可选 Multiple color options available

主要应用：ADSL、网络开关、路由器、STB和电脑主板等IT行业。

Main applications: IT industries such as ADSL, network switches, routers, STBs, and computer motherboards.

直焊性聚氨酯

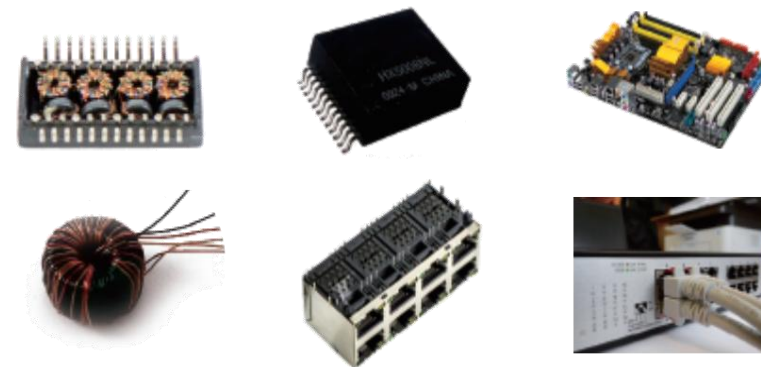
复合尼龙漆包铜圆线

Self-Solderable Polyurethane

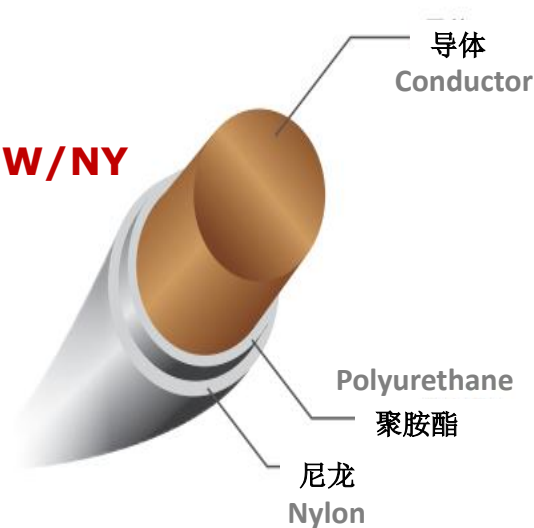
Overcoated with Composite

Nylon Enameled Round

Copper Wire



UEW/NY



Since
2004

漆包铜圆线 ENAMELLED ROUND COPPER WIRE



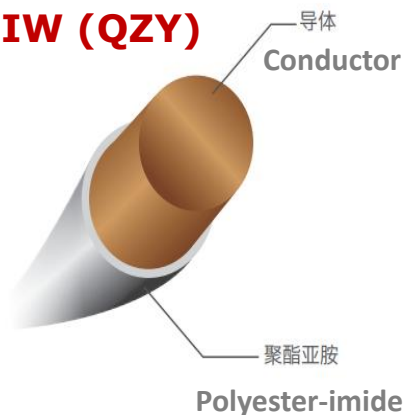
聚酯亚胺漆包铜圆线系列
Polyester-imide Enameled Round
Copper Wire Series

主要应用 Main applications:

电磁阀、汽车用线圈、传感器、特种变压器、特种微电机、电感。

Solenoid valve, Automotive coils, sensors, special transformers, special micro motors, inductors

EIW (QZY)



- ◆ 规格 Specifications:
0.035~0.60mm
- ◆ 耐热等级 Heat resistance grade: 180
- ◆ 漆膜厚度 Paint film thickness: 1种、2种
- ◆ 优秀的耐热性能
Excellent heat resistance
- ◆ 优秀的绝缘性能
Excellent insulation performance
- ◆ 优良的机械性能
Excellent mechanical properties

SEIW



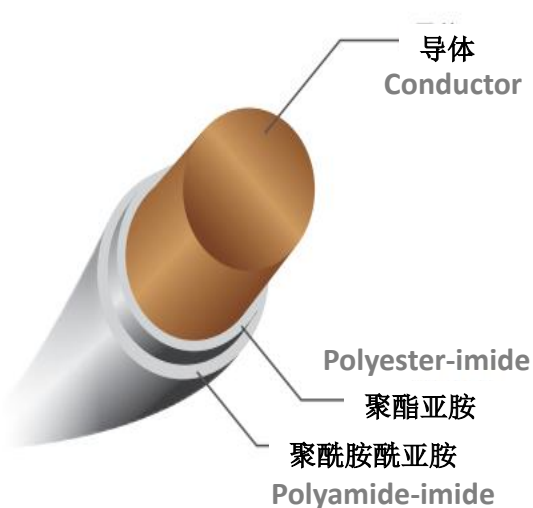
- ◆ 规格: 0.035~0.60mm
- ◆ 耐热等级: 180
- ◆ 450°C- 470°C可焊 450°C - 470°C weldable
- ◆ 优秀的绝缘性能
Excellent insulation
performance
- ◆ 优良的耐热性能
Excellent insulation
performance
- ◆ 优良的机械性能
Excellent mechanical
properties



可焊聚酯亚胺漆包铜圆线系列
Self-Solderable Polyester-imide
Enameled Round Copper Wire Series

Since
2004

漆包铜圆线 ENAMELLED ROUND COPPER WIRE



EI/AIW(Q(ZY/XY))

- ◆ 规格 Specifications: 0.080~1.000mm (AWG40-AWG18)
- ◆ 耐热等级 Heat resistance grade: 200、220
- ◆ 漆膜厚度 Paint film thickness: 1种、2种
- ◆ 产品标准 Product standard:
IEC60317-13、GB/T 6109.20、NEMA MW35-C/80-C/73-C、
MW37-C或根据客户定制生产
- ◆ 耐高、低温、耐冷冻剂、耐辐射、耐热冲击、化学性能优良
Capable of working under extrusions where strong resistibility
against very high and low temperture, powerful cryogen,hard
raditaion and fprceful heat shock are needed.
- ◆ 优秀的绝缘性能 Excellent insulation performance
- ◆ 优良的机械性能 Good mechanical properties



聚 酯 亚 胺 / 聚 酰 胺 酰 亚 胺 复 合 漆 包 铜 圆 线

Polyester-imide Over Coated with Composite Polyamide-imide

主要应用：特种变压器、特种微电机、航空科技和军工电子
Main applications: Special transformers, special micro motors, aviation
technology, and military electronics

Since
2004

漆包铜圆线 ENAMELLED ROUND COPPER WIRE



主要应用：一体成型电感、特种变压器、特种微电机、航空科技和军工电子

Integrated molded inductors, special transformers, special micro motors,
aviation technology, and military electronics



◆规格 Specifications:

0.060~1.000mm
(AWG42-AWG18)

◆耐热等级 Heat resistance grade:

200、220

◆漆膜厚度 Paint film thickness:

Q种、0种、1种、2种;



◆产品标准 Product standard:

IEC60317-26、NE MW81-C
或根据客户定制生产;

◆优秀的耐热性能

Excellent heat resistance

◆优秀的绝缘性能

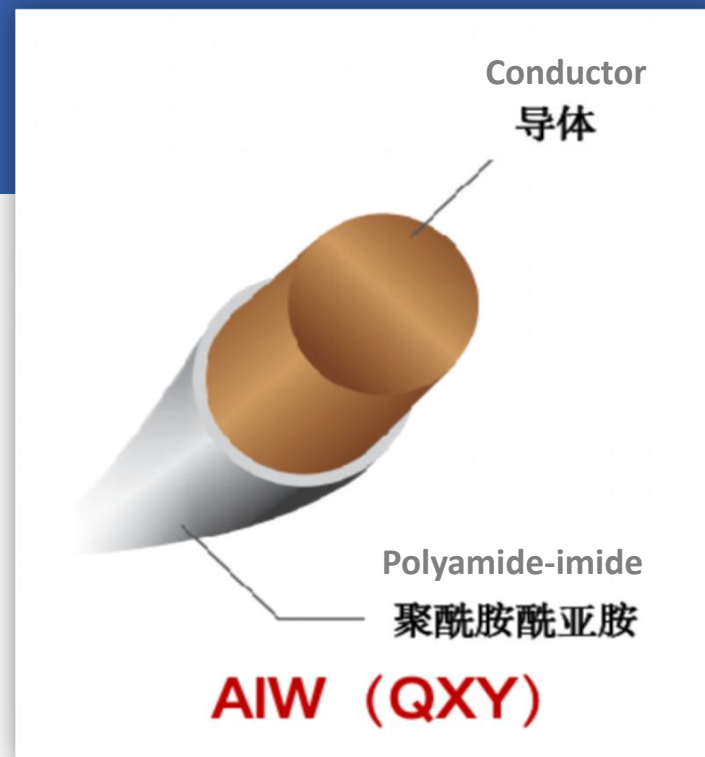
Excellent insulation performance

◆优良的机械性能

Good mechanical properties

聚酰胺酰亚胺漆包铜圆线

Polyamide-imide enameled round copper wire



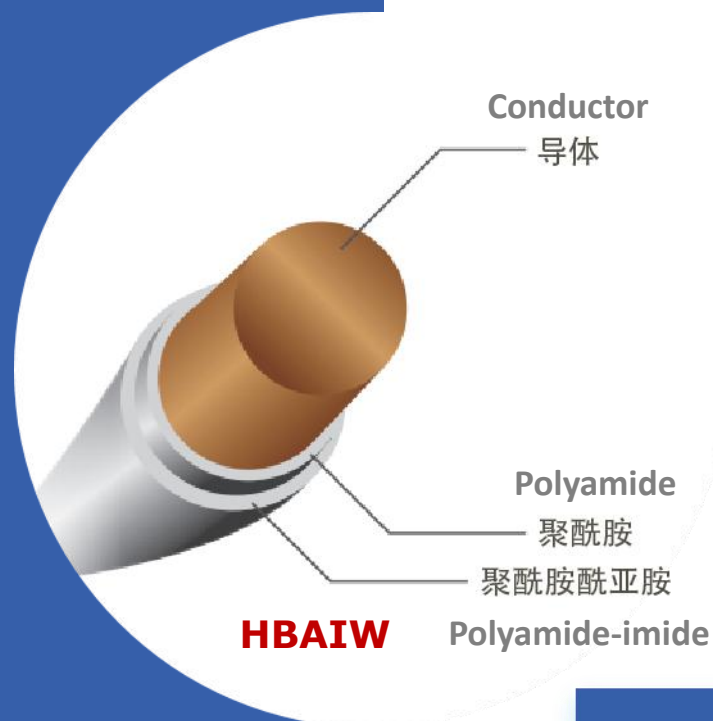
Since
2004

漆包铜圆线 ENAMELLED ROUND COPPER WIRE



Enameled copper round wire

漆包铜圆线



- 粘合方式 Bonding method:
热熔 Thermal fusion
- 粘合条件 Bonding conditions:
150~180°C
- 再软化温度 Recrystallization temperature:
140~155°C
- 优越的机械性能、耐刮性能
Excellent mechanical properties, scratch resistance
- 优越的耐溶剂性能
Excellent solvent resistance

热风自粘聚酰胺酰亚胺漆包铜圆线

Hot air self-adhesive polyamide-imide enameled copper round wire

Since
2004

漆包绞合线 LITZ WIRE

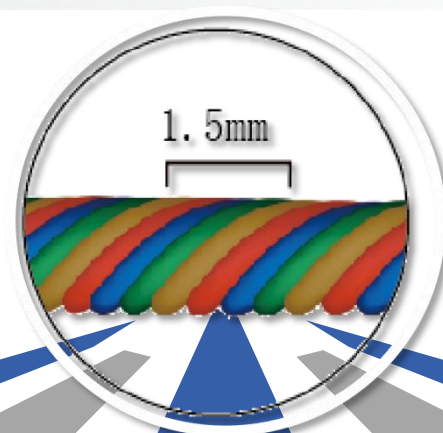


漆包绞合线 LITZ WIRE

- ✓ 丝包线
Served Litz Wire
- ✓ 膜包线
Taped Litz Wire
- ✓ 挤出线
Extruded Litz Wire

Since
2004

漆包绞合线 LITZ WIRE



漆包绞线，又叫利兹线（来源于德语 Litz），由多股漆包单线绞合而成的电磁线。

漆包绞线可以有效降低高频应用中的“集肤效应”，减少高频电流损耗。

对比同样截面积的单股线材，漆包绞线可以降低阻抗。

增加电导率，提高效率 and 减少热量产生，同时也具有更好的柔韧性。

广泛应用于高频变压器、高频线圈等高频应用领域电子元器件

- Enameled stranded wire, also known as litz wire (derived from the German "Litz"), is an electromagnetic wire formed by stranding multiple enameled single wires.
- Enameled stranded wire can effectively reduce the "skin effect" in high-frequency applications and minimize high-frequency current loss.
- Compared with solid wires of the same cross-sectional area, enameled stranded wire can reduce impedance.
- It increases conductivity, improves efficiency, reduces heat generation, and also offers better flexibility.
- Widely used in electronic components for high-frequency applications such as transformers and coils

Since
2004

漆包绞合线 LITZ WIRE

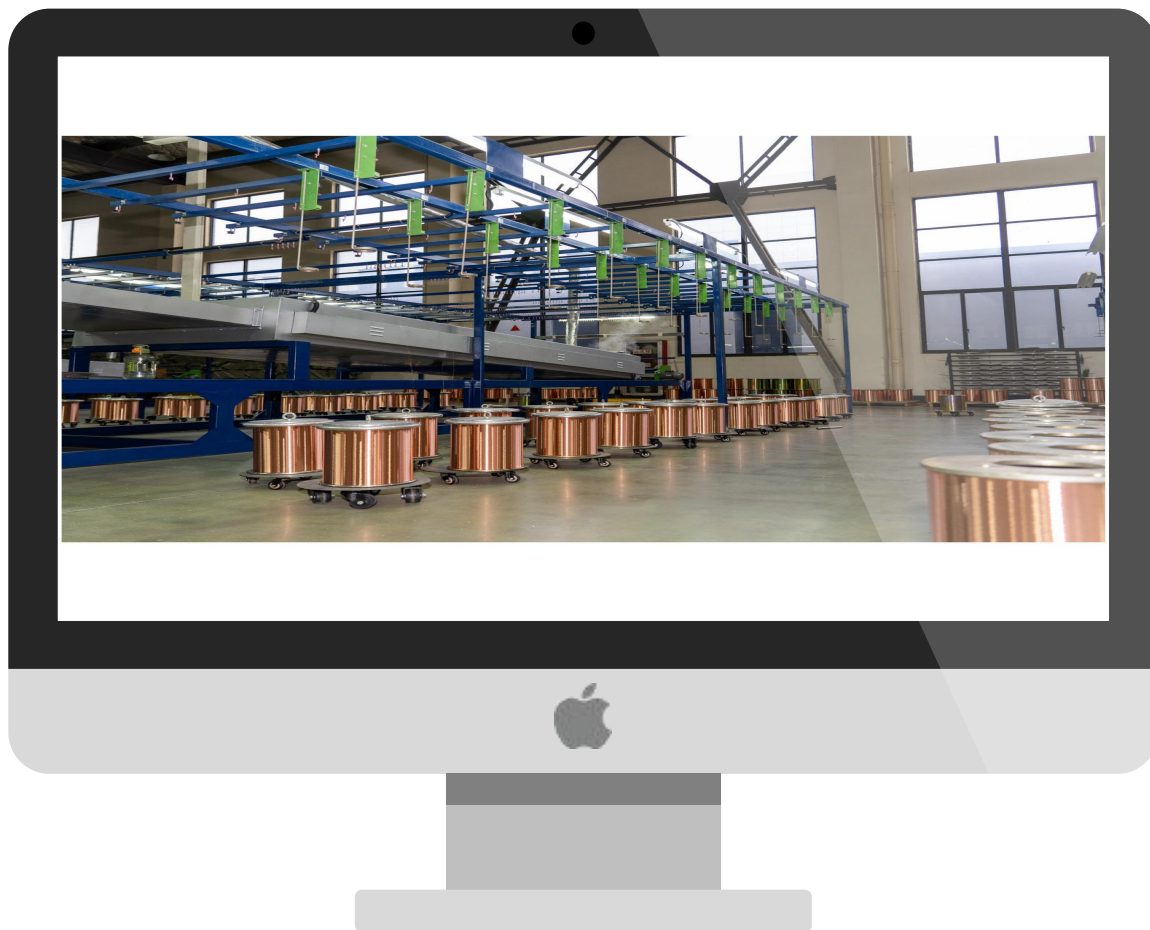


特性 Characteristics:

- 单线可按颜色顺序排列，不混乱。Single wires can be arranged in color sequence without causing confusion.
- 绞线中间可添加高弹丝，抗拉强度高。High-elastic yarn can be added in the middle of the stranded wire, offering high tensile strength.
- 全部使用自产漆包单线，产品质量可靠，交期有保证。All products use self-produced enameled single wires, ensuring reliable quality and guaranteed delivery schedules.

应用 Application

- 网络连接器、助听器、智能卡、感应加热、电磁原件、电源和无线传输、高频变压器、超声波发生器。Network connectors, hearing aids, smart cards, induction heating, electromagnetic components, power supplies and wireless transmission, high-frequency transformers, ultrasonic generators.



Since
2004

漆包绞合线 LITZ WIRE



漆包绞合线

产品范围 Product scope:

股数范围：1 ~ 36000股（不同规格，依据横截面积）
Number of shares range: 1 ~ 36,000 shares (different specifications, based on cross-sectional area)

重叠率：通常有50%、67%、75%三种

Overlap rate: Typically 50%, 67%, and 75%

完成外径范围：0.25 ~ 6mm

Complete the outer diameter range: 0.25 ~ 6mm

横截面积：最大20mm²

Cross-sectional area: Maximum 20mm²

漆包单线（导体标称直径） Enameled single wire
(nominal conductor diameter): 0.02 ~ 0.50mm

Since
2004

丝包绞合线 SERVED LITZ WIRE



丝包线是指在漆包绞线的表面再包覆一层或两层天然纤维或化学纤维之后而形成的电磁线，包括涤纶丝包线、尼龙丝包线、自粘丝包线（丙酮粘合、热风粘合）。

Served litz wire refers to an electromagnetic wire formed by wrapping one or two layers of natural or chemical fibers over the surface of an enameled stranded wire, including polyester silk-covered litz wire, nylon silk-covered wire, and self-adhesive silk-covered wire (acetone-bonded, hot-air-bonded).

产品范围 Product scope:

股数范围 Number of shares range: 1 ~ 36000 股

(不同规格, 依据横截面积 Different specifications, based on cross-sectional area)

完成外径范围 Complete outer diameter range: 0.2 ~ 6 mm

横截面积 Cross-sectional area: 最大 MAX28mm²

漆包单线 Enamelled single wire (导体标称直径) : 0.02 ~ 0.50mm



L I T Z W I R E

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丝包绞合线 SERVED LITZ WIRE



- ◆ 耐高频性好 Good high-frequency resistance
- ◆ 绕线时线圈排列整齐，Q值高 The coils are neatly arranged during winding, with high Q value
- ◆ 相比漆包绞线，由于有丝的防护，减少了绕线时的线材损伤，电性能更好 Compared to enameled stranded wire, the presence of silk protection reduces wire damage during winding and provides better electrical performance.
- ◆ 自粘丝包线粘合力高，成型快，环保无害（热风粘合型） Self-adhesive silk-covered wire features high bonding strength, rapid forming, and environmental friendliness (hot air bonding type)
- ◆ 直焊性能好，焊锡残渣少 Excellent direct soldering performance with minimal solder residue.
- ◆ 可根据客户要求（线径、结构等）定制生产 Can be customized and produced according to customer requirements (wire diameter, structure, etc.)

产品应用 Product Applications:

射频变压器、接收器、充电系统中的高频线圈、备用电源、太阳能光伏板等。

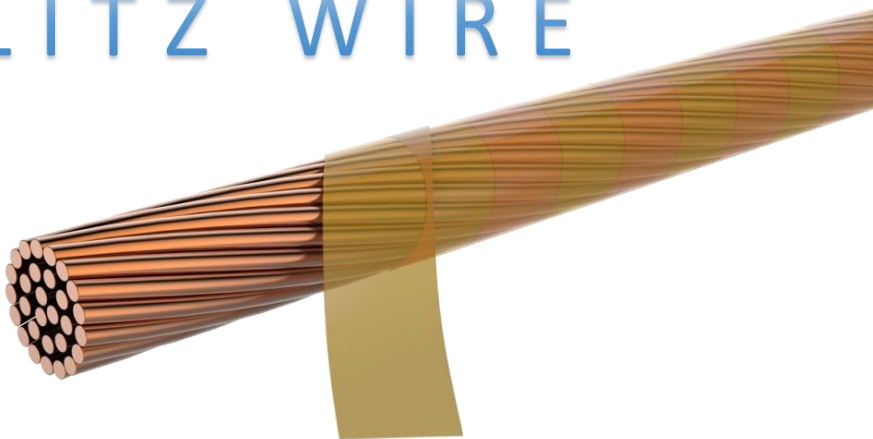
Radio frequency transformers, receivers, high-frequency coils in charging systems, backup power supplies, solar photovoltaic panels, etc.

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膜包线 TAPED LITZ WIRE



LITZ WIRE



Taped Litz Wire

膜包线



Taped wire is an electromagnetic wire formed by wrapping a layer of Mylar film or other material film over the surface of enameled stranded wire with a certain overlap ratio.

膜包线是在漆包绞线的表面按照一定的重叠率包覆一层麦拉膜或其他材质薄膜之后而形成的电磁线。

应用 Application:

车载充电机 (OBC)、DC/DC转换器、电车充电桩、
电车无线充电、高频变压器、高频电感器。

On-board charger (OBC), DC/DC converter, electric vehicle charging pile,
electric vehicle wireless charging, high-frequency transformer, high-frequency inductor

Since
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膜包线 TAPED LITZ WIRE



圆形膜包线 Round taped wire

膜包线是指在普通绞合线外部按一定重叠率再绕包一层或多层绝缘膜的增强绝缘型绞合线。Taped litz wire refers to an enhanced insulated stranded wire where one or multiple layers of insulating film are helically wrapped over a conventional stranded conductor at a specified overlap ratio.

自粘膜包线 Self-bonding tapping wire

自粘膜包线是一种带有自粘层的线材，某些绝缘薄膜与特定的漆型结合使用后可以进行热封。线材可以具有极好的黏着和粘接特性。Taped litz wire refers to an enhanced insulated stranded wire where one or multiple layers of insulating film are helically wrapped over a conventional stranded conductor at a specified overlap ratio.



并线包膜膜包线 Parallel wrapping tapping wire

并线包膜膜包线是一种将多根线材并排包膜的形式，可以做到较大宽厚比。Parallel-wrapped taped wire is a form of bundling multiple wires side by side with an encapsulating film, enabling a relatively large width-to-thickness ratio.

压方膜包线 Pressure side film package wire

压方膜包线是在普通膜包绞合线基础上经过碾压工艺使外形呈方形或扁平形的膜包绞线，除了具备普通膜包线的性能特性，还可以降低变压器绕组匝间间隙，从而使变压器获得较高的填充系数。The pressed square film wrapped wire is made into a square or flat shape by the rolling process of ordinary film wrapped twisted wire. It not only retains the performance of ordinary film wrapped wire but also reduces the gap between transformer windings and improves the filling factor of transformers.

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膜包线材质分析 Analysis of Taped Litz Wire Material



膜包线种类 Types of taped wires	膜包层材质 Material of the membrane packaging layer	产 品 特 性（各膜包线材质之间特性有何区别） Product Features (Differences between in characteristics among various taped litz wire materials)
ML-T	PET（聚对苯二甲酸乙二醇酯 Polyethylene terephthalate）	耐高压，具有直焊性,不耐高温，线材剪断时，一端膜有1-3厘米会散开 High voltage resistant, solderable, not high temperature resistant, when the wire is cut, one end of the film will loosen by 1-3 cm.
ML-I	PI（聚酰亚胺） Polyimide	耐高压，耐高温,不可直焊，线材剪断时，一端膜有1-3厘米会散开 High voltage resistance, high temperature resistance, not suitable for direct soldering. When the wire is cut, the film at one end will unravel by 1-3 cm.
ML-N	PEN（聚萘二甲酸乙二醇酯） Polyethylene naphthalate	耐高压，具有直焊性,耐高温性能介于PET和PI之间，线材剪断时，一端膜有1-3厘米会散开 High voltage resistance, with direct solderability, high temperature resistance performance between PET and PI, when the wire is cut, one end of the film will loosen by 1-3 cm.
ML-T粘性膜 Viscous film	PET粘性膜 Viscous film	防水性能好，耐高压，具有直焊性，绝缘层和线材间贴合紧密,不耐高温 Excellent waterproof performance, high pressure resistance, direct solderability, tight adhesion between insulation layer and wire, not resistant to high temperatures
ML-I粘性膜 Viscous film	PI粘性膜 Viscous film	防水性能好，耐高压，耐高温,绝缘层和线材间贴合紧密,不可直焊 Excellent waterproof performance, high pressure resistance, high temperature resistance, tight adhesion between insulation layer and wire, not suitable for direct soldering
ML-N粘性膜 Viscous film	PEN粘性膜 Viscous film	防水性能好，耐高压，具有直焊性,绝缘层和线材间贴合紧密,耐高温性能介于PET和PI之间 Excellent waterproof performance, high pressure resistance, direct solderability, tight adhesion between insulation layer and wire, with high-temperature resistance performance between PET and PI.

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挤出线 EXTRUDED LITZ WIRE



We tailor solutions for diverse customized demands across specific application scenarios!

“薄壁”挤出

单边最小挤出厚度0.025mm

“阻值”波动小

波动范围可控制在 $\pm 3\%$

在线监控

完成外径、同心度、击穿电压、表面质量
实施全过程在线监控

多类型导体挤出

纯铜、镀锡、镀银、铜合金裸线
漆包线、绞合线
圆线、扁线

可根据不同的应用场景，为各类定制化需求提供解决方案！



- 绞合线增加挤出层可提高柔韧性、机械强度、耐化学品性以及击穿电压。与普通结构相比，挤出线的弯折寿命也显著提高。
- LITZ wires with an extruded layer can improve flexibility, mechanical strength, chemical resistance, and breakdown voltage. Compared to conventional structures, the bending lifespan of extruded wires is also significantly enhanced.
- 弘通公司目前主要挤出线为尼龙挤出线、以及自粘丝包线、自粘膜包线等。
- Hongtong Company currently focuses on extrusion production lines, including nylon extrusion lines, self-adhesive film-covered wires, and self-adhesive silk-covered wires.

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挤出线 EXTRUDED LITZ WIRE



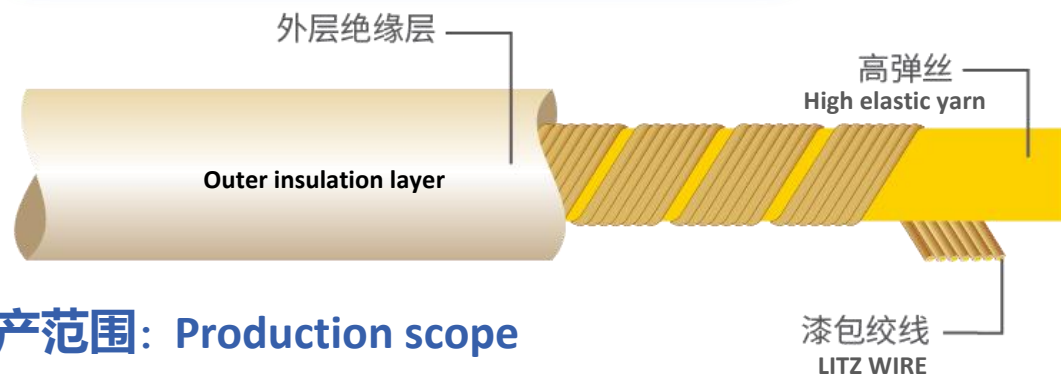
汽车加热线

Automotive heating wire

汽车加热线：是在多股合金导体漆包绞线外挤出一层尼龙层的绝缘线。

Automotive heating wire: refers to an insulated wire formed by extruding a nylon layer over a multi-strand alloy conductor enameled twisted wire.

专注于汽车座椅、方向盘、内饰加热线的开发 Specializing in the development of heated wiring for automotive seats, steering wheels, and interiors



生产范围: Production scope

芯线 Core wire

材料 Material: 漆包铜合金圆线 Enameled copper alloy round wire

股数 Number of shares: 6 ~9 股

结构 Structure: 多股单线围绕高弹丝有序排列 Multiple single strands are arranged in an orderly manner around the high-elasticity filament.

高弹丝 High elastic yarn: 100D ~ 500D 可选

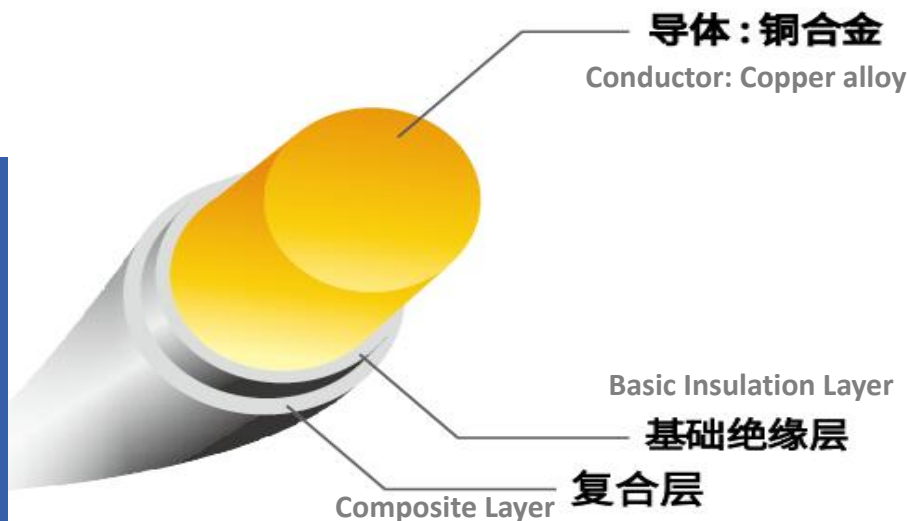


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合金线 ALLOY ENAMELLED WIRE



合金线



Alloy Enameled Wire features conductors fabricated from copper alloys. These wires deliver specialized electrical conductivity, mechanical robustness, superior bend resistance, and exceptional fatigue performance.

Hongtong Company Limited supplies diversified alloy wire solutions tailored to clients' specialized demands. Further processing capabilities include manufacturing into stranded wire, litz wire, film-insulated wire, and extruded wire products.

ALLOY ENAMELLED WIRE

合金漆包线是导体由铜合金制成的漆包线。合金漆包线具有特殊的导电性能，机械性能，抗折弯能力，抗疲劳性能。弘通公司提供多种合金线，以满足客户的特殊要求。亦可将合金线进行进一步的加工，制成绞线、丝包线、膜包线、挤出线等。

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合金线 ALLOY ENAMELLED WIRE



产品范围及特性 Product Scope and Characteristics

合金导体 Alloy conductor	CuAg	CuSn	CuNi	CuZn
基础绝缘层 Basic insulation layer	UEW, UEW/NY, EIW, SEIW, SEIW/NY, EI/AIW, HBAIW, HBUEW, SBUEW, etc.			
耐热等级 Heat resistance grade	130、155、180、200、220			
产品范围 Product scope	Φ0.05 ~ 1.00mm			
特性 Characteristics	表面光亮，抗菌，高张力，耐折弯，电导率接近纯铜 The surface is bright and antibacterial, with high tensile strength and bend resistance, and electrical conductivity close to that of pure copper.	很好的机械性能，良好的耐折弯性能，防腐 The surface is bright and antibacterial, with high tensile strength and bend resistance, and electrical conductivity close to that of pure copper.	高电阻，高张力，耐折弯 High resistance, high tension, bend-resistant	很好的机械性能，杰出的耐折弯性能，低电导率 Excellent mechanical properties, outstanding bending resistance, and low electrical conductivity.
应用 Application	音圈，纺织品 Voice coil, textiles	加热应用，电阻线 Heating applications, Resistance wire	加热应用，电阻线 Heating application, Resistance wire	电阻线，加热应用 Resistance wire, Heating applications



PART

04

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致力高质量发展 为客户创造价值
Driving Value Creation via Excellence-Driven Evolution



杭州弘通线缆有限公司

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Hangzhou City, Zhejiang Province, China, 311121.

宣城公司：宣城弘通电工科技有限公司

Xuancheng Company: Xuancheng Hongtong Electrotech Co., Ltd.

公司地址：安徽省宣城市经济技术开发区春华路93号

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HONGTONG
弘通

高品质好服务

*Superior Quality
Dedicated Service*



感谢您的观看

Thanks for your time

