Red HEVW-240CFL Super High PDIV and Low-DK Enamelled Copper Winding Wire with Customizable Design

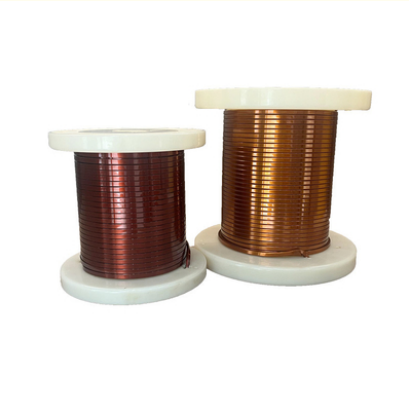
Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: HEVW-240CFL
- Minimum Order Quantity: The MOQ Varies According to the Size of the Specification
- Price: Copper Price plus Processing Fee plus Freight
- Packaging Details: Carton
- Delivery Time: 3-5 Work Days
- Payment Terms: T/T 100% Payment before Shipment
- Supply Ability: Delivery 10-15 Days after Next Order

Product Specification

- Temperature Resistance: 240
- Product Type: HEVW-240P
- Coating Type: Single Or Double Layer
- Insulation Material: Enamel
- Color Option: Natural、Red
- Size: Customizable
- Application: Good Heat Resistance Ultra-high PDIV Performance
- Enamel Film Flexibility: Widing With 1.5 Times Thickness
- Shape: Flat
- Conductor Diameter: Customizable
- Color: Natura
- Highlight: **Low DK Enamelled Copper Winding Wire**, **Customizable Design Enamelled Copper Winding Wire**



Our Product Introduction

Product Description

Enamelled flat wire, also known as rectangular enamelled wire, is a type of electrical conductor with a rectangular cross - section, coated with an insulating enamel layer. It is widely used in various electrical and electronic applications due to its unique characteristics. Here are the main features of enamelled flat wire:
1. Special Geometric Shape
Rectangular Cross - Section: Unlike round wires, it has a flat and rectangular shape, which allows for more efficient space utilization in winding applications.
Higher Fill Factor: The flat design enables tighter packing in coils, increasing the number of turns per unit area and improving the power density of electrical devices (e.g., transformers, motors, and generators).

2. Excellent Insulation Performance
Enamel Coating: The wire is coated with a thin, uniform layer of enamel (such as polyurethane, polyester, or polyimide), which provides reliable electrical insulation.
Heat Resistance: The enamel can withstand high temperatures (ranging from 130°C to 240°C, depending on the type), ensuring stability in high - heat environments.
Mechanical Protection: The coating also resists abrasion, moisture, and chemical corrosion, extending the wire's service life.

3. Superior Electrical Conductivity
High - Purity Conductors: Typically made from copper or aluminum with high electrical conductivity, it minimizes power loss and ensures efficient current transmission.
Low Resistance: The large cross - sectional area (for a given wire gauge) reduces ohmic resistance, making it suitable for high - current applications.

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