240°C High PDIV Enamelled Rectangular Copper Winding Wires HEVW-240P For Good Heat Resistance And Good PDIV Performance

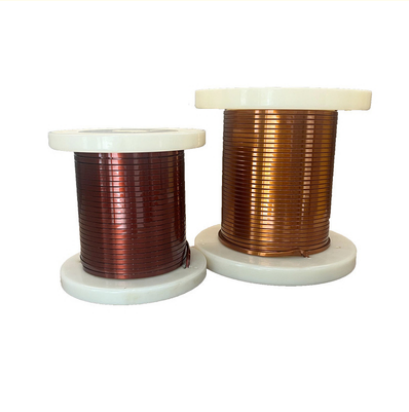
Our Product Introduction

Basic Information

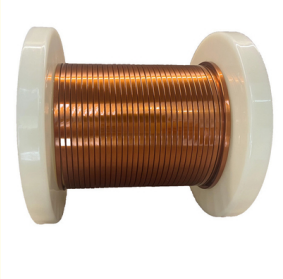
- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: HEVW-240P
- Minimum Order Quantity: The MOQ Varies According to the Size of the Specification
- Price: Copper Price plus Processing Fee plus Freight
- Packaging Details: Carton
- Delivery Time: 3-5 Work Days
- Payment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

Product Specification

- Product Type: HEVW-240P
- Theramal Class: 240°C
- Color Options: Natural
- Type: Flat Copper Wire
- Usage: Transformers/Motors
- Smaple: Free
- Package: Carton
- Standard: MW 16-C
- Highlight: **rectangular copper winding wire**, **HEVW-240P winding wire**, **240°C Copper Enamelled Winding Wires**



More Images



Our Product Introduction

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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:

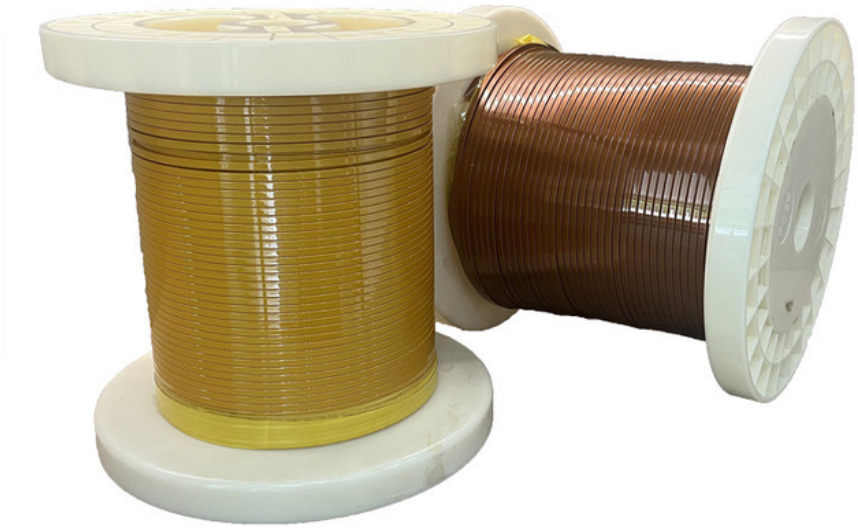
1. Special Geometric Shape
Rectangular Cross - Section: Unlike round wires, it has a flat and rectangular shape, which allows for more efficient space utilization in winding applications.
Higher Fill Factor: The flat design enables tighter packing in coils, increasing the number of turns per unit area and improving the power density of electrical devices (e.g., transformers, motors, and generators).

5. Space - Saving and Compact Design
Reduced Volume: The flat shape helps reduce the overall size and weight of electrical components, which is crucial for miniaturized electronics and high - density applications.
Improved Heat Dissipation: The larger surface area of the flat wire facilitates better heat dissipation, enhancing the thermal management of devices.

6. Versatility in Applications
Widely Used in Motors: Ideal for stator and rotor windings in electric motors, where space efficiency and high power output are essential.
Transformers and Inductors: Suitable for high - frequency transformers and inductors, minimizing core losses and improving energy efficiency.
Consumer Electronics: Used in compact devices like laptops, smartphones, and home appliances to save space and reduce weight.

7. Customization Options
Variable Dimensions: Available in various aspect ratios (width to thickness) to meet specific design requirements.
Coating Thickness: The enamel layer can be adjusted for different voltage ratings and insulation needs.

8. Environmental and Safety Features
Lead - Free and RoHS Compliant: Many enamelled flat wires comply with environmental standards, reducing harmful substance emissions.
Flame Retardancy: Some coatings offer flame - retardant properties, enhancing safety in critical applications.
In summary, enamelled flat wire combines efficient space utilization, reliable insulation, and high electrical performance, making it a preferred choice for advanced electrical and electronic designs that demand compactness and durability.



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