



## 240°C Super High PDIV (Low-DK) And ATF-resistance And Corona-resistance Enamelled Rectangular Copper Winding Wires HEVW-240CFL

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

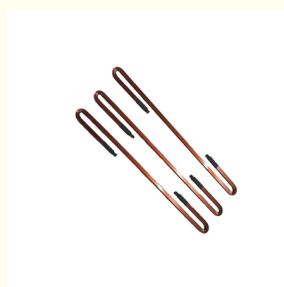


### Product Specification

- Product Type: HEVW-240C
- Temperature Rating: MW 16-C
- Application: Electrical And Electronic Equipment
- Shape: Flat
- Color Option: Natural Red
- Size: Customizable
- Customization: Available
- Conductor Material: Copper
- Conductor: Oxygen Free Copper
- Standard: IEC, NEMA, JIS, Or GB
- Conductor Diameter: Customizable
- Highlight: **ATF resistance Enamelled Copper Winding Wire**  
, **HEVW-240CFL Enamelled Copper Winding Wire**  
, **Corona resistance Enamelled Copper Winding Wire**



### More Images



## 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.

### 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.

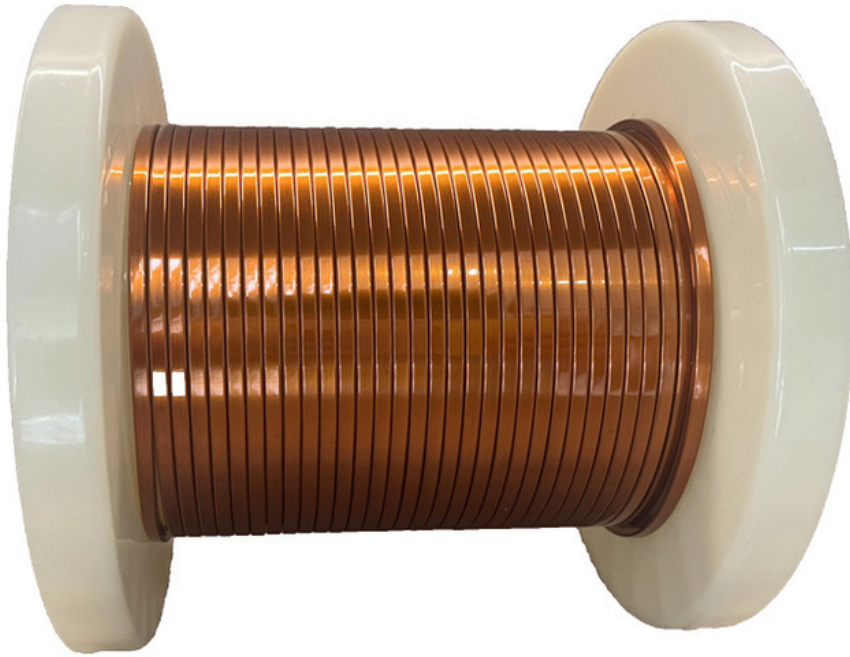
**Transformers and Inductors:** Suitable for high-frequency transformers and inductors, minimizing core losses and improving energy efficiency.

**Consumer Electronics:** Used in compact devices like laptops, smartphones, and home appliances to save space and reduce weight.

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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