

High-Performance Enamelled Copper Winding Wire

This **Enamelled Copper Wire** (often referred to as Magnet Wire) is designed for the high-precision winding of coils, transformers, inductors, and motors. Supplied on substantial **500g reels**, this wire is a staple for electronic manufacturing, repair workshops, and laboratory prototyping.

The wire features a **Grade 2 Polyurethane coating**, providing excellent dielectric strength while remaining "solderable." This means the insulation can be melted back by the heat of a soldering iron or bath, allowing for clean, reliable terminations without the need for manual stripping.

Key Applications:

- **Inductive Components:** Winding bespoke transformers, chokes, and solenoid coils.
- **Motor Repair:** Rewinding small motors and armatures.
- **Educational Use:** Demonstrating electromagnetism and building simple motors.
- **RF Engineering:** Creating high-quality RF inductors and antennas.

Safety & Compliance Information

At JPR, safety is paramount. Please observe the following technical guidelines during assembly:

- **Solderability:** The polyurethane coating is designed to be removed during the soldering process.
- **Safety Warning:** During soldering, the coating can produce small quantities of **Toluene di-isocyanate (T.D.I)**.
- **Extraction:** We recommend using **fume extraction** to ensure workplace safety levels are maintained.
- **Compliance:** This product is fully **RoHS compliant**.