



IS 13730(Part 13):2014 -Specifications For Particular Types of Winding Wires Part 13 Polyester or Polyesterimide Overcoated with Polyamide-Imide Enamelled Round Copper Wire, Class 200

Polyester or Polyesterimide Overcoated with Polyamide-Imide Enamelled Round Copper Wire, Class 200 with a dual coating is a high-performance **electrical wire** commonly used in Heavy-duty hand tool **motors, transformers**, electric **refrigerator** and windings in **air-conditioner compressor**. Its copper core ensures optimal **electrical conductivity**, while its dual-layer insulation system, comprising polyester/polyesterimide and polyamide-imide, provides exceptional **thermal, mechanical and dielectric properties**.

The '**Class 200**' designation signifies the wire's ability to withstand continuous operating temperatures of up to 200°C without compromising its **insulation integrity**. This high-temperature capability is essential for applications where **heat generation is inevitable**, such as **heavy-duty motors and transformers**. The **wire's** round shape is a standard configuration that facilitates efficient coil winding and space optimization.

When choosing this product, consumers look for **durability, heat resistance, and reliable electrical insulation**. IS 13730-13, a standard set by the Bureau of Indian Standards, ensures that the wire meets these expectations by testing its **quality, strength** and ability to **withstand high temperatures**. By adhering to this standard, manufacturers can provide consumers with safe and long-lasting products that are suitable for various industrial applications. IS 13730-13 is identical to IEC 60317-13 which gives confidence to the consumer that the product is tested according to international standards.