

Enameled Round Aluminum Magnet Wire

This round enameled wire is made of pure aluminum with an insulation coating. It is used for household appliances, transformer winding, and industrial motor winding.



Product Overview

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This round enameled aluminum magnet wire is engineered for efficient interchanging of electrical and magnetic energy. Designed for durability, the wire offers excellent thermal stability and high breakdown voltage, making it an ideal choice for critical electrical components. It features a superior insulation layer that ensures reliability even under demanding operating conditions.

Technical Specifications

Available Wire Gauge

0.3 mm Minimum Diameter	5 mm Maximum Diameter
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Insulation Variants

PEW-AL • EIW-AL • EI/AIW-AL

Thermal Class

155 - 220

Key Features

Core Properties

- Good thermal stability
- Excellent mechanical properties (low spring back)
- High scratch resistance
- Excellent heat, cryogen, and solvent resistance
- Uniform insulation layer
- High breakdown voltage

Applications

Recommended Applications

Household appliances, Transformer winding, Industrial motor winding