

Polyvinyl Acetal Enameled Aluminum Wire

Table 1 Specifications

Insulation materials	Polyester Film
Thermal Class	105C, 120C
Dimensions	Thickness(a)0.8 ~ 10mm; Width(b)2.0 ~ 25mm
Insulation thickness	Heavy and Quad
Certificate	MW-18A



Table 2 Properties

Electrical Insulation: The PVA enamel coating provides high dielectric strength, ensuring effective insulation and preventing short circuits.

Lightweight: Compared to copper wire, aluminum wire is significantly lighter, reducing the overall weight of electrical components.

Thermal Stability: The PVA insulation offers excellent thermal resistance, allowing the wire to operate efficiently at elevated temperatures.

Mechanical Strength: The wire's robust enamel coating enhances its mechanical durability, reducing the risk of breakage or wear.

Corrosion Resistance: The insulating layer protects the aluminum from oxidation and corrosion, increasing its lifespan in various environments.

Flexibility and Winding Capability: The wire's smooth surface and flexibility make it easy to wind and shape for different applications.

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