

Class 220 Polyester (Amide)(Imide) Overcoated with Polyamideimide Square Aluminum Wire

Table 1 Specifications

Insulation materials	The conductor shall be coated with a dual film. The underlying coating is based on polyester (amide)(imide) resins. The superimposed coating is based on polyamideimide resins.
Thermal Class	220
Diameter	heavy and quad film-insulated square magnet wire heavy:1-14awg minimum increase: 0.08mm increase by degress maximum overall: 1.781-7.549mm Quadruple: 1-14awg minimum increase: 0.127mm increase by degress maximum overall: 1.831-7.6mm
Certificate	MW-36A

Table 2 Properties

Adherence And Flexibility	No cracks visible in the film coating
Heat Shock	No cracks visible in the film coating after 10% elongation followed by conditioning at 240°C
Dielectric Breakdown	Applicable to Heavy film-insulated sizes having a thickness of less than 1.25 mm or a width greater than 12.5 mm, or a width-to- thickness ratio greater than 5:1, and all Quad.

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