

Class 200 Polyester Overcoated with Polyamideimide Film-Insulated Rectangular Copper Magnet Wire

Table1 Specifications

Insulation materials	Film - Insulation Types Polyester Overcoated with Polyamideimide; Polyester (Imide) Overcoated with Polyamideimide; Polyester (Amide) Overcoated with Polyamideimide
Thermal Class	200
Dimensions	Bare Wire: Thickness 1.016mm-7.341mm ; Width 2.057mm-16.535mm Heavy:Thickness0.076mm-0.127mm; Width 0.064mm-0.114mm Quad:Thickness 0.127mm-0.178mm; Width 0.102mm-0.152mm
Insulation thickness	Heavy and Quad

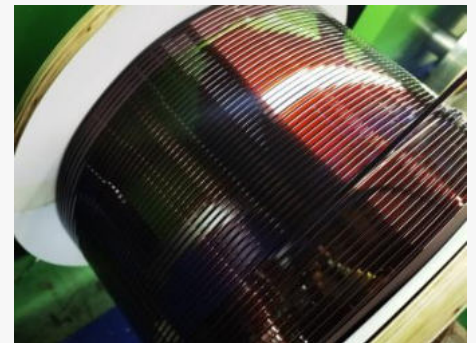


Table 2 Periodic conformance tests

Thermoplastic flow	Median not less than 300°C
Solubility	Specimens immersed in xylene and 50/50 xylene/butyl Cellosolve shall not soften sufficiently to expose the bare conductor
Dielectric breakdown rated temperature	Average not less than 75% of the value required at room temperature, when tested on MW 35-C Heavy build



Table 3 Properties

Adherence and flexibility	No cracks visible in the film coating		
Elongation	Bare or Film- Insulated MW Specification 18, 20, 36, 38, 64, 84		
Heat shock	No cracks visible in the film coating after 15% elongation followed by conditioning at 220°C		
Spring back	Not greater than 5°		
Dielectric breakdown		Minimum Breakdown Voltage	
	Film Insulation	Any Three of Four Values	Fourth Value
	Heavy	1500	500
	Quad	2500	900
	Applicable to Heavy film-insulated sizes having a thickness of less than 0.049 in. (1.25 mm) or a width greater than 0.492 in. (12.5 mm), or a width-to- thickness ratio greater than 5:1, and all Quad. Other Heavy film-insulated sizes shall be tested in accordance with Foil Electrode Method or Shot Box Electrode Method		



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