

Class 180 Polyester Film-Insulated Round Copper Magnet Wire for Hermetic Applications

Table1 Specifications

Insulation materials	Polyester Film-Insulated
	Polyester (Imide) Film-Insulated
	Polyester (Amide) Film-Insulated
Dimensions	Heavy 14-30 AWG in accordance
	with 0.307mm-1.732mm
Certificate	MW 72-C
Thermal Class	180

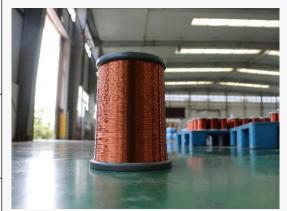


Table 2 Properties

Adherence and flexibility	No cracks visible in the film coating
Elongation	Not less than the value in 5-38
Heat shock	No cracks visible in the film coating after conditioning at 200°C
Springback	Not greater than the value in 42-66



Table 3 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
Breakdown strength at	Average not less than 75% of the value required at room temperature
rated temperature	
Refrigerant R-22	14-24 AWG: not greater than 0.25% of weight of film insulation
extraction	
Dielectric breakdown after	14-24 AWG: average not less than the value in 4870-6330
R22 conditioners	
Dielectric breakdown	14-23.5 AWG: not less than the value in Heavy Build 4930-6330
	24-30 AWG: not less than the value in Heavy Build 4220-4870 or 1950-2430
	respectively
Continuity	Max number of discontinuities in accordance with 14-24 AWG: 1500;
	24.5-30 AWG: 1000





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