

Class 105 Polyvinyl Acetal Square Aluminum Magnet Wire

Table1 Specifications

Insulation materials	Polyvinyl Acetal Film
Thermal Class	105
Bare Wire Dimensions	Awg 1/0 - Awg14
Certificate	UL
Standard	MW-18-A

Table 2 Properties

Adherence and flexibility	No cracks visible in the film coating
Minimum Percent Elongation	MW Specification:18, 36, 64 $T \geq 0.049$: 15 $T < 0.049$:15
Heat shock	No cracks visible in the film coating after conditioning at 175°C

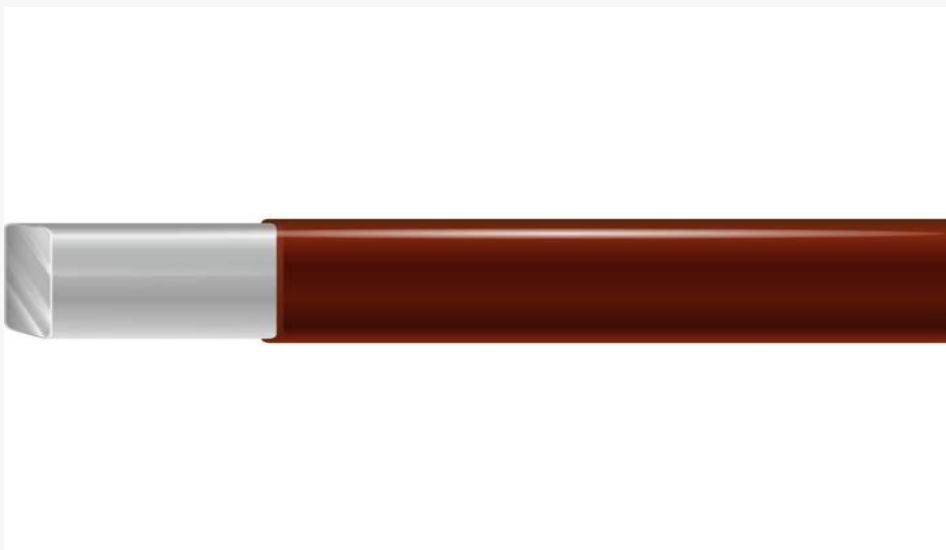




Table 3 Periodic conformance tests

Solubility	Specimens immersed in xylene 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 15-A Heavy Build
Toluene / ethanol compatibility	No swelling or blistering in the film coating
Transformer oil resistance	<p>No swelling or blistering in the film coating</p> <p>a)Dielectric breakdown values shall average not less than the values in Table 36</p> <p>b)At least three of the five flexibility specimens shall show no cracks visible in the film coating</p> <p>b) Elongation specimens shall show no swelling or blistering in the film coating</p>

Structure



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