



Class 200 Glass Fiber Covered Silicone Treated Film-Insulated Square Copper Magnet Wire

Table1 Specifications

Insulation materials	The glass fiber shall be electrical-grade continuous-filament glass yarn
Thermal Class	200
Certificate	MW 43-C
Insulation thickness	Single, Double



Dimensions	<p>Square Wire:</p> <p>1. Radii in accordance with Nominal Corner Radius $\pm 25\%$: 0.40mm-1.00mm</p> <p>2. Thickness and width tolerances in accordance with 1.628mm-7.348mm</p>
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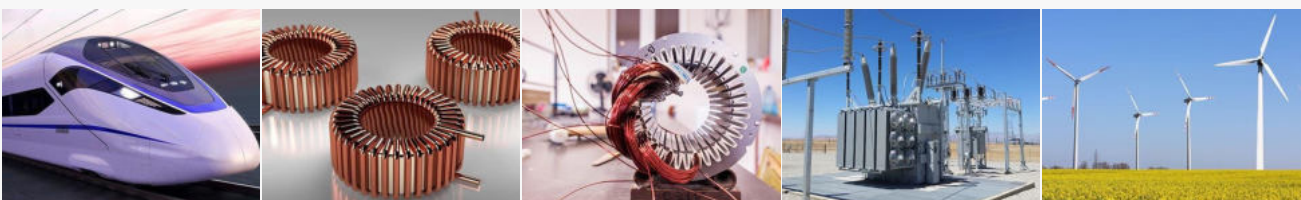


Table 2 Properties

<p>Adherence and flexibility</p>	<p>Single or Double with underlying film: no cracks visible in the film insulation after 20% elongation. Examine with normal vision and without removing the glass fiber covering.</p> <p>Double without underlying film: not less than 75 V/mil (2950 V/mm) of minimum thickness of the glass fiber covering on one side.</p> <p>NOTE—The minimum thickness of the glass fiber covering is 35% of the maximum increase in dimensions calculated from: Square 0.203mm-0.330mm</p>
<p>Elongation</p>	<p>Not less than 32% for a thickness of 0.049 in. (1.25 mm) and greater, or 30% for a thickness less than 0.049 in. (1.25 mm)</p>
<p>Springback</p>	<p>Glass fiber covered bare: not greater than 5°</p> <p>Glass fiber covered Heavy film-insulated: not greater than 5.5°</p>
<p>Dielectric breakdown</p>	<p>Not less than 90 V/mil (3543 V/mm) of the minimum thickness of the glass fiber covering on one side plus the minimum breakdown given in the film-insulated wire(Heavy 500-1500; Quad 900-2500), if applicable.</p> <p>NOTE—The minimum thickness of the glass fiber covering is 35% of the maximum increase in dimensions calculated from:</p> <p>Single: 1.628mm-8.252mm</p> <p>Double: 1.956mm-8.788mm</p>

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