



# Class 200 Glass Fiber Covered Silicone Treated Film-Insulated Rectangular 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>Rectangular Wire:</p> <ol style="list-style-type: none"> <li>1. Radii in accordance with 0.51-0.99mm (Full Rounded Edge)</li> <li>2. Thickness tolerances in accordance with <math>\pm 0.001</math>mm</li> </ol> <p>Thickness Range: 1.016-7.341mm</p> <ol style="list-style-type: none"> <li>3. Width tolerances in accordance with <math>\pm 0.025</math>-0.076mm</li> </ol> <p>Width Range: 2.057-16.535 mm</p>
------------	---

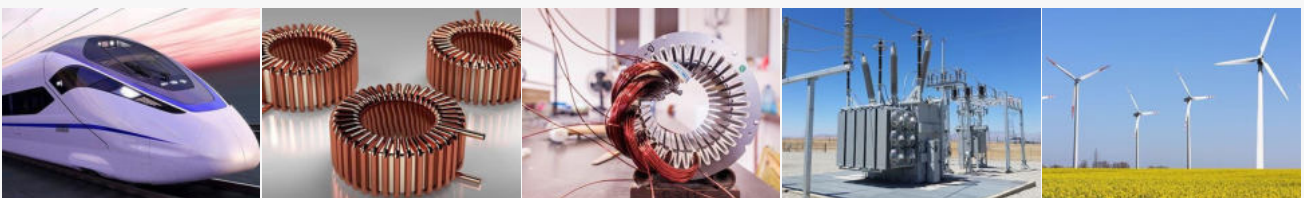




Table 2 Properties

<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:</p> <ul style="list-style-type: none"> <li>—Single Covering of Polyester Glass Fiber: 0.0060-0.0095 inches</li> <li>—Double Covering of Polyester Glass Fiber: 0.0100-0.0160 inches</li> </ul>
<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> <ul style="list-style-type: none"> <li>—Single Covering of Polyester Glass Fiber: 0.0060-0.0095 inches</li> <li>—Double: Rectangular without underlying film Covering of Polyester Glass Fiber: 0.0100-0.0160 inches</li> </ul>



lp-industry

WhatsApp 商业帐号



## 郑州蓝普实业有限公司

Zhengzhou LP Industry CO., LTD.

---

Phone: 0086-19337889070

Web: <https://lpwindingwire.com>

Email: [office@cnlpzz.com](mailto:office@cnlpzz.com)

Add: NO. 86 Jingsan Road, Jinshui District, Zhengzhou, China