

# Class 220 Aromatic Polyamide Paper Covered Round Copper Magnet Wire

**Table 1 Specifications**

Insulation Material	Aromatic polyamide paper
Heat Rating	220
Bare Wire Dimensions	Min: 3.630-11.567 Nominal:3.665-11.684 Max:3.693-11.801
Certificate	UL



**Table 2 Properties**

Adhesion and Flexibility	<p>8-9 AWG: covering shall not open sufficiently to expose the bare wire, nor shall it be possible to slide the paper along the wire, after the specimen is elongated 15% (+2, -0) and wound around a 5d mandrel</p> <p>4/0-7 AWG: covering shall not open sufficiently to expose the bare wire nor shall the covering show any tearing</p> <p>4/0-7 AWG: covering shall not loosen appreciably nor open sufficiently to expose the bare wire after bending around a 6d mandrel</p>						
Elongation	<p>Not less than the following:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>AWG Size</th> <th>Minimum Elongation Percent</th> </tr> </thead> <tbody> <tr> <td>4/0-1/0</td> <td>35</td> </tr> <tr> <td>1-9</td> <td>30</td> </tr> </tbody> </table>	AWG Size	Minimum Elongation Percent	4/0-1/0	35	1-9	30
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**Table2 Properties**

Dielectric breakdown	Not less than 300 V/mil (11800 V/mm) of the minimum thickness of the paper covering on one side (one half the minimum increase)
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**Features:**

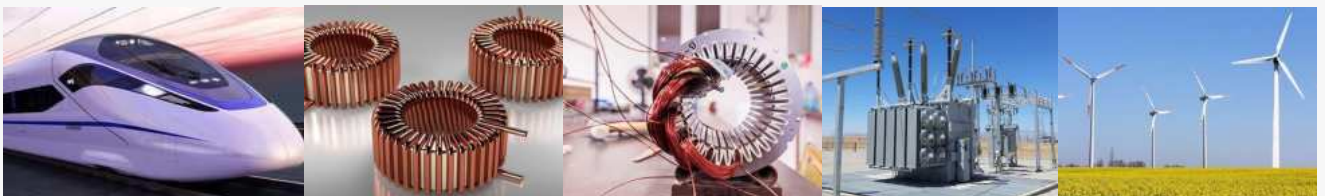
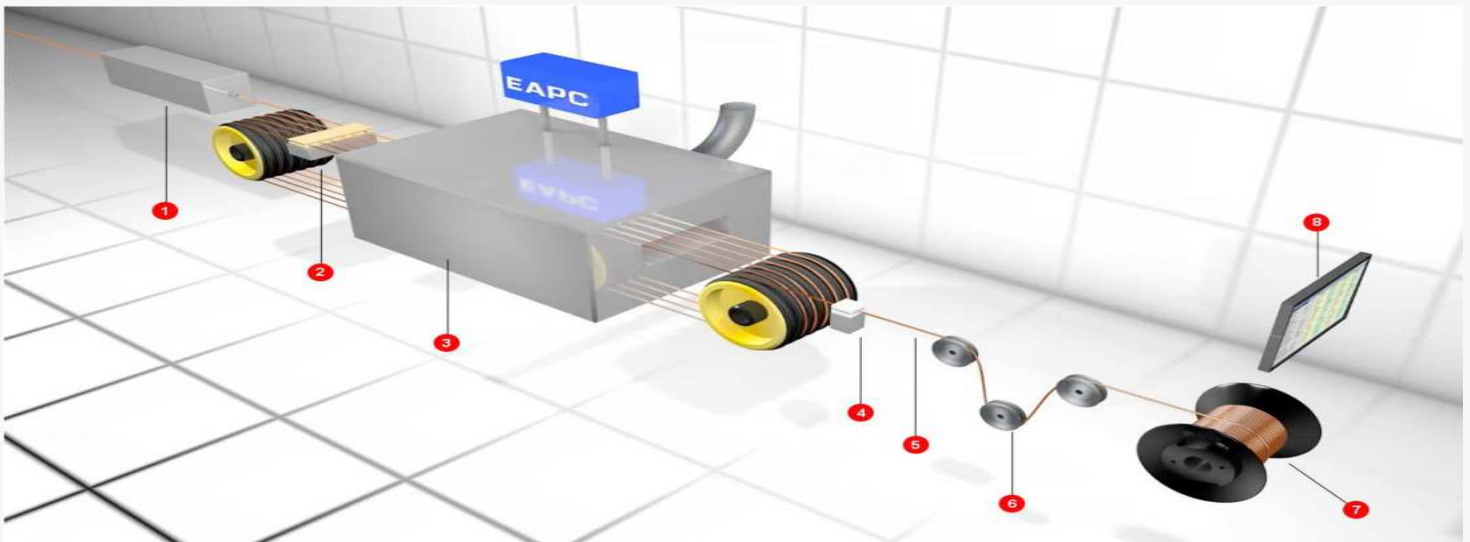
Corrosion resistance

Abrasion resistance

High temperature stability

High insulation resistance

High mechanical strength



lp-industry

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