

# Class 220 Aromatic Polyamide Paper Coated Round Aluminum Magnet Wire

**Table 1 Specifications**

Insulation Material	Aromatic polyamide paper
Heat Rating	220
Bare Wire Dimensions/ (mm)	Min: 3.630-11.567 Nominal:3.665-11.684 Max:3.693-11.801
Conductor	Copper



**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	Not less than 15%
Dielectric breakdown	Not less than 300 V/mil (11800 V/mm) minimum thickness of single-sided paper coverage (half of the minimum increase)

# Class 220 Aromatic Polyamide Paper Coated Round Aluminum Magnet Wire

**Table 3**

Wrap Description	Number of Tape Layers (N)
Percentage of Overlap	
0	n
Greater than 0 to 25	1.33n
Greater than 25 to 33	1.5n
Greater than 33 to 40	1.67n
Greater than 40 to 50	2n
Greater than 50 to 67	3n
Greater than 67 to 75	4n

## Features

High temperature stability

Excellent insulation

Good chemical resistance

Lightweight and high strength

Easy to process



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