

Class 220 aromatic polyamide paper-covered rectangular aluminum magnet wire

Table1 Specifications

Insulation Material	Aromatic polyamide
Heat Rating	220
Size/mm	Width 2.032mm-16.701mm Thickness 0.991mm-7.414mm
Conductor	Copper
Certificate	UL



Table 2 Properties

Adhesion and Flexibility	The covering shall not loosen appreciably or open enough to expose the bare wire after being bent around a mandrel 6 times the bare wire thickness
Elongation	Not less than 15%
Dielectric breakdown	Not less than 300 V/mil (11800 V/mm) of the minimum thickness of the paper covering on one side (half the minimum increase)

Elongation

Wire Size		Bare wire or film insulation	Fiber Covering
MW Specification		18, 36, 64	60
Rectangular	T < 0.049"	15	15
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Tape thickness of cover layer

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

Good mechanical properties

Chemical corrosion resistance

Long-term stability

Easy to process and install



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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

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