

## Class 220 Aromatic Polyamide Paper Covered Rectangular Copper Magnet Wire

**Table 1 Specifications**

Insulation Material	Aromatic polyamide paper
Heat Rating	220
Conductor	Copper
Certificate	UL
Standard	MW 60-C



**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 six times the thickness of the bare wire
Elongation	Not less than 32% for thicknesses 0.049 inches (1.25 mm) and above, and not less than 30% for thicknesses less than 0.049 inches (1.25 mm)
Springback	Not more than 5.5°
Dielectric breakdown	Not less than 300 V/mil (11800 V/mm) of the smallest thickness of the paper cover side (half the minimum increase)

**Features:**

Abrasion resistance

Flexibility

High temperature stability

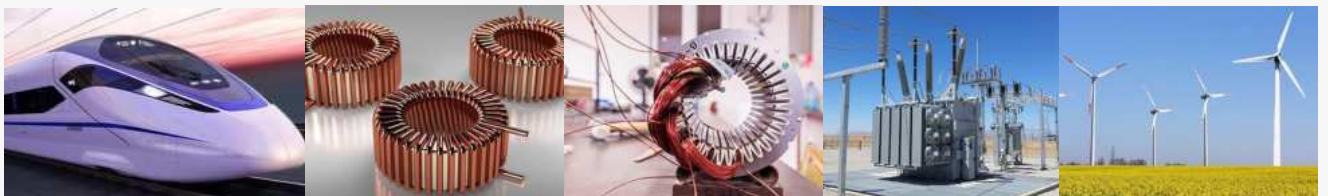
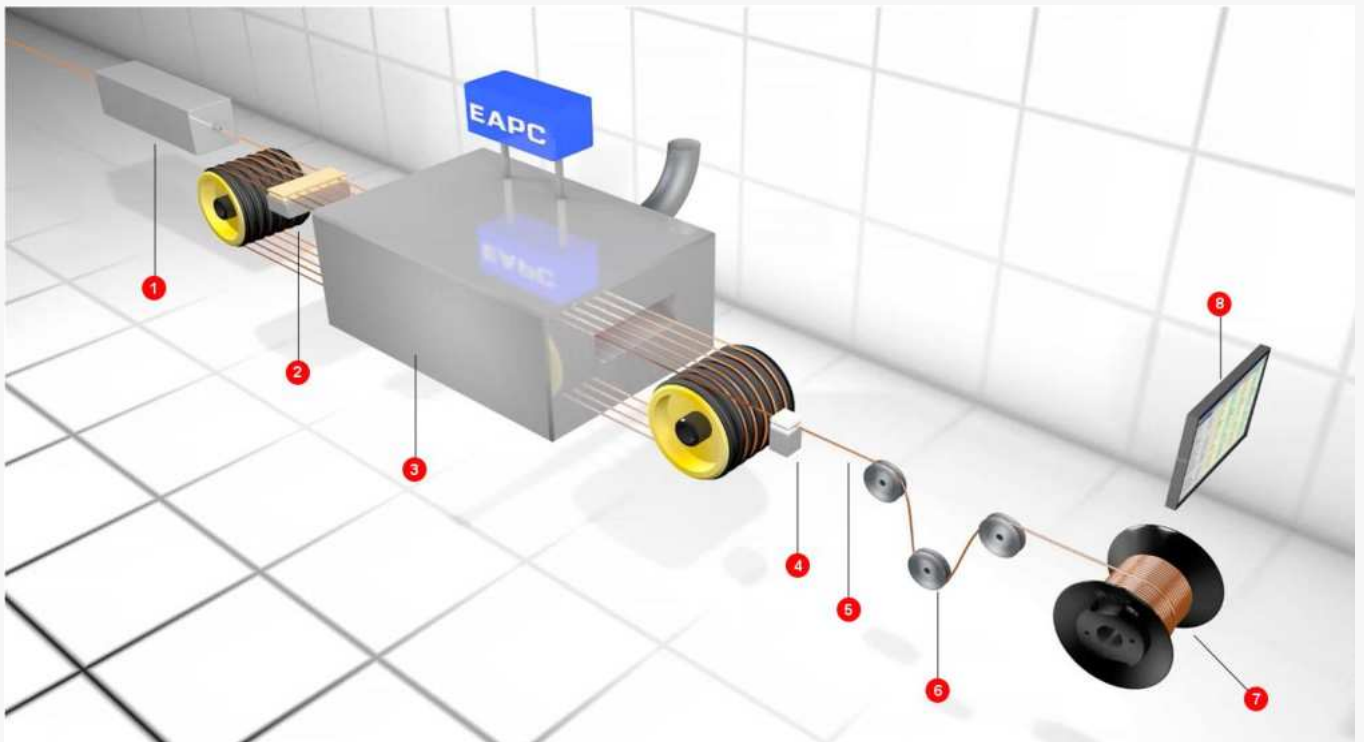
Environmental protection

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Table 3

Increase in Dimensions of Rectangular Wire Due to Tape Covering

N	t = 0.0015 in (0.038 mm)				t = 0.002 in (.051 mm)				t = 0.003 in (.076 mm)			
	Minimum		Maximum		Minimum		Maximum		Minimum		Maximum	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
2	0.005	0.127	0.009	0.229	0.007	0.178	0.012	0.305	0.010	0.254	0.018	0.457
3	0.008	0.203	0.012	0.305	0.010	0.254	0.016	0.406	0.015	0.381	0.024	0.610



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