



MAGNET WIRE SOLUTIONS

Enameled Aluminum Wire

LP Industry supplies round, flat, rectangular, and square enameled aluminum wire for applications where lower weight, cost efficiency, and stable insulation performance are important. The product range supports custom conductor size, insulation build, enamel type, spool packaging, and international standards.

Product Series	Customer Value	Typical Applications
Enameled Round Aluminum Wire	General-purpose format for common windings and volume production.	Transformers, motors, coils
Enameled Flat Aluminum Wire	Helps improve slot fill and winding compactness.	Dry-type transformers, inductors, motors
Enameled Square / Rectangular Aluminum Wire	Supports higher space utilization and specialized winding structures.	Industrial electrical equipment, reactors




Round Wire




Flat Wire




Square Wire

105–220 C
Thermal Class

IEC/NEMA/JIS/GB
Standard

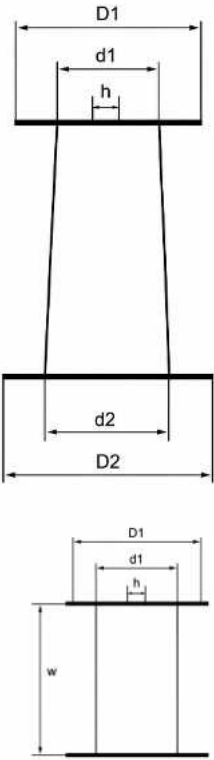
Custom Options
Guage & Packing

Main Specifications

Item	Data
Conductor	Aluminum / EC-grade aluminum
Wire Shape	Round, flat, rectangular, square
Round Wire Size	0.16 mm - 9.2 mm / AWG 4 - AWG 48
Flat Wire Size	1.6 mm2 - 250 mm2
Insulation Type	Polyesterimide, polyamide, modified polyesterimide, polyamide-imide, polyvinyl acetal
Thermal Class (C)	105, 120, 155, 180, 200, 220
Standard	IEC 60317, NEMA MW 1000, JIS C3202, GB
Custom options	Diameter, width, thickness, insulation build, color, spool, packaging

Packaging

Reel Type	Range of Dimeter (mm)	Weight of Wire Spool (KG for Aluminum wire)	Detail Size					
			D1: Top Flange	D2: Bottom Flange	d1: Top Core	d2: Bottom Core	W	h(d3): Center bore
PT-10	0.1~0.3	3~5	160±0.3	180±0.3	96±0.5	110±0.5	200±0.4	30±0.5
PT-15	0.1~0.6	5~8	180±0.3	200±0.3	96±0.5	110±0.5	200±0.4	30±0.5
PT-25	0.2~3.0	10~12	215±0.3	230±0.3	110±0.5	130±0.5	250±0.4	32±0.5
PT-30	0.2~3.0	12~15	245±2.0	225±2.0	100±1.0	120±0.5	250±2.0	33±0.5
PT-60	0.2~3.0	20~25	269±0.8	296±0.8	150±0.8	178±0.8	350±1.0	45±0.5
PT-90 (A315)	1.2~3.5	45~50	300±2.0	315±2.0	180±1.0	200±1.0	425±2.0	100±0.5
PT-200 (A400)	1.2~3.5	55~60	375±2.0	400±2.0	225±1.0	250±1.0	530±2.0	100±0.5
PT-270	1.2~3.5	75~80	435±2.0	460±2.0	225±1.0	280±1.0	528±2.0	100±0.5
250*400 MDF wooden	3.0~6.0 or Flat wire	25~35	400±2.0	400±2.0	210±1.0	280±1.0	250±2.0	100±0.5
250*500 MDF wooden	3.0~6.0 or Flat wire	40~60	500±2.0	500±2.0	210±1.0	210±1.0	250±2.0	60±0.5
250*600 MDF wooden	3.0~8.0 or Flat wire	80~100	600±2.0	600±2.0	210±1.0	210±1.0	250±2.0	60±0.5
250*730 MDF wooden	3.0~8.0 or Flat wire	90~130	730±2.0	730±2.0	210±1.0	210±1.0	250±2.0	60±0.5
250*730 MDF wooden	3.6~8.0 or Flat wire	110~140	730±2.0	730±2.0	210±1.0	210±1.0	250±2.0	60±0.5
500*500 MDF wooden	1.0~8.0 or Flat wire	100~120	500±2.0	500±2.0	210±1.0	210±1.0	500±2.0	60±0.5



Built for Value and Customization

Focused supplier for industrial winding applications

Enameled aluminum wire is an attractive choice when customers need reliable winding performance while controlling material cost and equipment weight. Our product range is designed to help buyers source consistent quality, flexible specifications and export-ready supply from one factory partner.

Cost-Effective Conductor

Aluminum and EC-grade aluminum options help reduce material cost compared with copper-based winding solutions.

Export-Ready Supply

Suitable for factories, wholesalers and traders who need stable specification support and recurring order.

Direct factory

Enameled aluminum wire is an attractive choice when customers need reliable winding performance while controlling material cost and equipment weight.

Custom Manufacturing

Diameter, width, thickness, insulation build, enamel type, color, spool and packaging can be customized.

Certified Quality

Quality systems, testing discipline and compliance support

LP Industry presents internationally recognized quality certifications and emphasizes batch testing, electrical performance checks and compliance with global market requirements.

ISO9001

Quality management

ISO14001

Environmental management

ISO45001

Occupational health and safety

RoHS & REACH

Restricted substance compliance

UL

Product certification

CE

Market compliance

Request a Quote or Custom Specification

Share your wire shape, size, insulation, thermal class, quantity and application. Samples and factory quotations are available.

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