



MAGNET WIRE SOLUTIONS

Enameled Copper Wire

Zhengzhou LP Industry CO., LTD manufactures high quality high performance enameled copper wires, has a long history of over 30 years production experience. We supply round, flat and rectangular or square copper magnet wire with flexible customization according to the demands from transformers, motors, generators, reactors, EV systems, renewable energy equipments and electrical machinery.

As a result of our high-tech manufacturing capability, rigorous standards of quality and long-term experiences of export, we supply high quality, efficiently priced and customized specification of the world's every of magnet wire to the manufacturers, importers or industrial partners dispersed around the world.



105-220 C
Thermal Class

IEC/NEMA/JIS/GB
Standard

Custom Options
Guage & Packing

Main Specifications

Item	Data
Conductor	Copper
Wire Shape	Round, flat / rectangular, square
Round Wire Size	0.016 mm - 7 mm / AWG 4 - AWG 48
Flat Wire Size	1.6 mm ² - 250 mm ²
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)	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	9~15	160±0.3	180±0.3	96±0.5	110±0.5	200±0.4	30±0.5
PT-15	0.1~0.6	15~25	180±0.3	200±0.3	96±0.5	110±0.5	200±0.4	30±0.5
PT-25	0.2~3.0	30~35	215±0.3	230±0.3	110±0.5	130±0.5	250±0.4	32±0.5
PT-30	0.2~3.0	35~45	245±2.0	225±2.0	100±1.0	120±0.5	250±2.0	33±0.5
PT-60	0.2~3.0	60~75	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	90~120	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	180~200	375±2.0	400±2.0	225±1.0	250±1.0	530±2.0	100±0.5
PT-270	1.2~3.5	230~270	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	70~100	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	100~150	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	200~300	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	270~380	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	300~400	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	300~360	500±2.0	500±2.0	210±1.0	210±1.0	500±2.0	60±0.5

The diagram illustrates the dimensions of a wire spool. The top view shows a rectangular flange with outer diameter D1, inner core diameter d1, and flange thickness h. The side view shows the spool's profile with top flange diameter D1, bottom flange diameter D2, core diameter d2, and total width W.

Shape & benefits

Focused supplier for copper winding wire

With 30+ years of magnet wire manufacturing experience, LP Industry delivers cost-effective, customized, and reliable winding wire solutions. Supported by 200,000m²+ factory scale, 350+ employees, 100+ export countries, and strong production capacity, we provide stable supply and professional service to global customers.

Enameled Round Copper Wire

Suitable for general winding applications requiring excellent electrical conductivity, insulation performance, and thermal resistance.

Enameled Flat Copper Wire

Designed for high-efficiency winding applications with improved slot filling factor, compact coil design, and better space utilization.

Enameled Rectangular & Square Copper Wire

Ideal for high-power motors, transformers, generators, and advanced electrical equipment requiring optimized winding structures.

Self-solderable enameled copper wire

Offering simplified soldering processes, improved production efficiency, and reduced manufacturing costs by eliminating the need for enamel stripping.

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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