



NOMEX Paper Covered Insulated Aluminum or Copper Wires and Strips

Nomex Paper Covered Magnet Wire (220° C) :

Nomex Paper Covered Magnet Wire is the winding wire and its conductor is made of oxygen-free copper rod or electrical round aluminum rod ,through a certain specification of the extrusion mould or after drawing wire and annealing treatment,and then the copper (aluminum) conductor is wrapped on two or more than two layers of insulating paper (including telephone paper, cable paper, high voltage cable paper, turn-to-turn insulation paper).

Nomex Paper is one kinds of a paper insulation for magnet wire the standard thermal class is 220° C.

Nomex Paper Covered Magnet Wire may be impregnated with oil, chlorinated bi-phenyl, or silicone. Nomex paper has excellent tear resistance and is resistant to damage during winding.

* Product Introduction:

Nomex Paper covered insulated aluminum or copper wires and strips, also known as aromatic amide gel covered aluminum or copper wires and strips, the aluminum or copper electrical conductors is wrapped by DuPont Nomex quality insulated paper. Nomex Paper the electrical appliances, chemical and mechanical complete high and elasticity, flexibility, tear resistance, moisture resistance and wear resistance are very good and very resistant to acid and alkali corrosion, it can be compatible with all kinds of varnishes, adhesives, transformer liquids, lubricating oil, and coolant. Since the NOMEX product is not easy to digest, it will not be destroyed by insects, fungi, and molds. NOMEX products in the starting temperature is not higher than 200°C, the electrical performance and mechanical properties are not affected. Change products even if the continuous storm at 200°C high temperature, can also engage in at least 10 years or more.

By extrusion of bare aluminum or copper wire strips wrapped and Nomex Paper covered wire, the mechanical performance and electrical performance better, instead of making difficult composite enameled flat wire, suitable for transformer, winding of lifting electromagnet, electric welding machine and other products.

* Production Range:

1.Aluminum or copper flat wires strips

Thickness: a: 1mm--8mm

Width: b: 3.0--20mm

2.Aluminum or copper round wires strips

Diameter: 1.9mm--10.0mm

If required special size, please contact us.

Conductor : aluminum and copper

Standard : IEC,NEMA,GB,JIS



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Bobbin: 30kg/50kg/150kg wooden spool

* Aluminum or Copper wires and Strips

The wires and strips should follow standard of GB5584.285, at 20°C its electrical resistivity should be not above 0.02801 mm²/m. Copper bove 0.01724 mm²/m

Product	Wrapping type	Wrapping layers	Insulation Thickness	Breakdown voltage
NOMEX Paper Covered Insulated Aluminum or Copper Wires and Strips	Self lock type overlap joint 1.5--2mm	1	0.12±0.03	600V
	Self lock type overlap joint 1.5--2mm	2	0.24±0.03	1500V
	Half lapped tapping	1	0.22±0.03	1200V
	Half lapped tapping	2	0.40±0.03	3000V
	Inopposite directions, lap wrap 1.5mm	3	0.33±0.03	2500V

* NOMEX paper wrapping technical standard:

Specifications Of Nomex Paper Covered Magnet Wire :

Round: 2.0-7.0mm ;12-2 AWG

Flat:a:1-10mm;b:3-35mm

Standards:NEMA MW 33-C;

Square and Rectangular: NEMA MW 33-C and Other Specification

Application of Nomex Paper Covered Magnet Wire :

Mobile Transformer, Traction Transformers, Pole-mounted distribution transformers, Power substentions, rectifiers, oil-immersed transformer coil winding