



Paper Covered Insulated Aluminium Magnet Wire and Strip

Telephone cable paper / 3M paper / MIKITOKU paper covered insulated aluminum magnet wire and strip

Product Introduction:

Telephone cable paper covered aluminum wire, also known as plain paper covered insulated aluminum, according to customer requirements, in the aluminum conductor winding three or more layers of cable paper or telephone paper. Plain paper covered wire is oil immersed transformer coil and similar electrical coil of special material, after the immersion using temperature index of 105°C. According to customer requirements, and can be divided into phone paper, cable paper, high voltage cable paper, paper and other winding insulation.

Production Range:

1. Aluminum flat wires strips

Thickness: 1mm--7mm

Width: 3.0--20mm

2. Aluminum round wires strips

Diameter: 1.9mm--10.0mm

If required special size, please contact us.

Standard : IEC,NEMA,GB, JIS

Package : 30kg/50kg/150kg wooden spool or according to customers requirements

Product Name and Type

Product Name	Type	Product Name	Type
Paper covered round copper wire strip	Z	Paper covered flat copper wire strip	ZB
Paper covered round aluminum wire strip	ZL	Paper covered flat aluminum wire strip	ZLB
500KV transformer interturn insulation paper covered round copper wire	ZA	500KV transformer interturn insulation paper covered flat copper wire	ZAB
500KV transformer interturn insulation paper covered round aluminum wire strip	ZAL	500KV transformer interturn insulation paper covered flat aluminum wire strip	ZALB



Standard:

Project Name	Standard		Test tool					
Conductor size and R corner radius	Follow standard of GB/T7673.1-87		Micrometer and R type					
Bend	The specimen is not cracked, no crack, no obvious sticking out of the paper according to the standard curve.		Experimental round rod and flat wire bending apparatus					
Paper Covered Round Wire Insulation Thickness								
Standard Insulation Thickness(mm)	0.3	0.45	0.80	1.20	1.80	4.25		
Tolerance(mm)	±0.05	±0.05	±0.10	±0.12	±0.15	±0.30		
Paper Covered Flat Wire Insulation Thickness								
Standard Insulation Thickness(mm)	0.45	0.60	0.95	1.35	1.60	1.95	2.45	2.95
Maximum Insulation Thickness(A-a)	0.57	0.74	1.14	1.56	1.84	2.23	2.77	3.32
Minimum Insulation Thickness(B-b)	0.40	0.53	0.85	1.20	1.45	1.80	2.30	2.75

Application of Paper Covered Magnet Wire :

Paper Covered Magnet Wire is used in oil-immersed transformer and other similar electrical coil windings.

■ Specifications :

Paper Covered Wire

Cable Paper Covered Aluminum/ Copper Wire

Telephone Paper Covered Aluminum/ Copper Wire

Sunwood Paper Covered Aluminum/ Copper Wire

NOMEX Paper Covered Aluminum/ Copper Wire

High-voltage Cable Paper Covered Aluminum/ Copper Wire

Inner Turn Insulation Paper Covered Aluminum/ Copper Wire

Papers are applied with butt intercalation in the following manners :

*2 papers- double butt intercalation- advanced 40-60%.

*3 papers- triple butt intercalation-advance 28-38%.

Papers are lapped in the following manners :

*One paper applied with 47-49% overlap-equivalent to 2 papers.

* One paper applied with 64-66% overlap-equivalent to 3 papers.

*Two papers each applied in one of the above manners.