

Aluminum for cables

Introduction of aluminum products for cables

The cable aluminum foil is a thin film on the surface of the aluminum foil, also known as an aluminum foil composite tape. After the cable is coated with aluminum foil, it can protect the cable from corrosion, and it can also play a role in shielding the signal from leakage.

Cable protection foil is ideal for cable protection because aluminum foil has high airtightness and shielding properties. For example, the surface of communication wires needs to be covered with a layer of aluminum foil to play a role of protection and barrier. So it can also be called cable shielding foil. At present, domestic advanced cold rolling mills and aluminum foil rough rolling mills can produce aluminum foil for cables.

Advantages of Mingtai Aluminum Aluminum for Cable

The cable foils 1235 and 8011 produced by Mingtai Aluminum are mainly in O state, with high product quality and stable performance, and are very popular in the market.

Generally speaking, the main surface quality problems of cable foil are oil spots, corrosion, peroxidation, etc. Our current cable foil processing technology is mature and the quality is stable. In order to improve the competitiveness and realize the competitive advantages of product differentiation, our company has made efforts in terms of product service length and mechanical properties from the perspective of the practicability of the cable foil, and has improved the competitiveness of the products.

Characteristics of aluminum for cables

The mechanical properties of the cable foil are particularly important. Only when the mechanical properties are achieved can the film be

prevented from breaking, especially when it is wound on the cable. A cable is usually 2km or 3km long, and it is very dangerous to accidentally break the cable when it is wound on a high-speed machine, and it will cause great economic losses. Therefore, the mechanical properties of cable foil must be improved to meet customer requirements.

Basic standard

Alloy	Temper	Specification (mm)	
		Thickness	Width
1235	O	0.025-0.06	300-650
8011	O	0.14-0.4	Normally 500

Alloy Composition

Compositio n	Si	Fe	Cu	Mn	Mg	Gr	Zn	Ti	Al
1235	0.65Si+Fe		0.0 5	0.0 5	0.0 5	— —	0.1 0	0.0 6	99.35
8011	0.50-0. 9	0.6-1. 0	0.1 0	0.2 0	0.0 5	0.0 5	0.1 0	0.0 8	Remai n