Low Resistance Electric Heating Copper Nickel Wire Cuni6 Cuni8 Cuni10 Cuni14 Cuni44 Cuni Wire

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: CuNi23 CuNi30 CuNi34 6J8 6J11
- Minimum Order Quantity: 5
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

Product Specification

- Product Name: CuNi Wire
- Material: Nickel Copper
- Nickel(Min): 44%
- Resistivity: 0.5
- Tensile Strength: 420 MPA
- Density: 8.9 G/cm3
- Application: Heating, Resistivity
- Condition: Hard / Soft
- Sureface: Bright
- Delivery Time: 7-20 Days
- Maximum Temperature: 420°C
- Melting Point: 1100°C
- Highlight: **Bright Sureface copper nickel**, **CuNi1 copper nickel**, **Heating Resistance copper nickel**

More Images

Our Product Introductio

Product Description

Features:
Copper nickel alloy has low electric resistance,good heat-resistant and corrosion-resistant,easy to be processed and lead welded. It isused to make the key components in the thermal overload relay,low resistance thermal circuit breaker, and the electrical appliances. It is also an important material for electrical heating cable.

Product Description
CuNi low-resistance heating alloys are widely used in low-voltage electrical products such as low-voltage circuit breakers and thermal overload relays. It is one of the key materials in low-voltage electrical products. The copper-based low-resistance heating alloy material produced by our company has the characteristics of good resistance consistency and excellent stability. We can supply various specifications of copper-based low-resistance heating alloys. Main properties Round wire, flat and strip.

In most cases, the components are the elements that make up the alloy. However, there are also compounds that are used as components, and the condition is that the compound neither decomposes nor undergoes any chemical reactions within the scope of the study. According to the number of components, it can be divided into binary alloys, ternary alloys or multi-component alloys. For example, simple brass is a binary alloy composed of two elements: copper and zinc; duralumin is composed of three elements: aluminum, copper, and magnesium. composed of ternary alloys.
Copper and nickel can be infinitely dissolved in each other to form a continuous solid solution, that is, regardless of the ratio of each other, it is always an α-single-phase alloy. When nickel is melted into red copper D200, when the content exceeds 16%, the color of the resulting alloy becomes relatively white like silver. The higher the nickel content, the whiter the color. 70%, the naked eye will see the yellow color of copper. What's more, the content of nickel in cupronickel is generally 25%. Cupronickel is an elegant name for copper-nickel alloy, and its density is 8.9-8.88 between copper and nickel.

Properties/ Material	Resistivity (200C μΩ.m)	Max. Working Temperature(C)	Tensile Strength (Mpa)	Melting Point	D
NC003(CuNi1)	0.03	200	210	1085	8
NC005(CuNi2)	0.05	200	220	1090	8
NC010(CuNi6)	0.1	220	250	1095	8
NC012(CuNi8)	0.12	250	270	1097	8
NC015(CuNi10)	0.15	250	290	1100	8
NC020(CuNi14)	0.2	300	310	1115	8
NC025(CuNi19)	0.25	300	340	1135	8
NC030(CuNi23)	0.3	300	350	1150	8
NC035(CuNi30)	0.35	350	400	1170	8
NC040(CuNi34)	0.4	350	400	1180	8
NC050(CuNi44)	0.5	400	420	1200	8

Shape	Size(mm)
Wire	0.08-7.5
Bar	8.0-50
Ribbon	(0.05-0.35)*(0.5-6.0)
Strip	(0.5-2.5)*(5-180)

Shape	Size(mm)
Wire	0.05-7.5
Rod	8-50
Ribbon	(0.05-0.35)*(0.5-6.0)
Strip	(0.5-2.5)*(5-40)

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