CuNi2/CuNi6/CuNi8/CuNi10/CuNi44 Copper Nickel CuNi Alloy Electric Heating 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: **NC003 CuNi Alloy**, **CuNi1 CuNi Alloy**, **Corrosion Resistant nickel alloy**

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Our Product Introductio

Product Description

CuNi alloy wire is an alloy wire composed of copper (Cu) and nickel (Ni). It has excellent electrical conductivity, corrosion resistance and high temperature stability, and is widely used in electrical, electronic and thermal control fields.
There are several common grades of CuNi alloy wires, including CuNi23, CuNi30, CuNi34, 6J8 and 6J11. Each grade has different chemical compositions and performance characteristics to meet the needs of different applications.
CuNi23 is an alloy wire with high resistivity and good corrosion resistance. It is commonly used in high temperature heating applications such as electric heating devices, heating wires and resistors.
CuNi30 has low resistivity and good mechanical strength, making it suitable for applications requiring higher current loads and lower voltage drops, such as electric stoves, ovens and hot air blowers.
CuNi34 is an alloy wire with low resistivity and high thermal stability. It is widely used in high-temperature heating fields such as electric heating wires, drying equipment and industrial heaters.
6J8 and 6J11 are two alloy wires with special chemical composition and properties. They are commonly used in precision measurement and control applications such as thermocouples and temperature sensors.
The advantages of CuNi alloy wires include excellent corrosion resistance, high temperature stability and reliability. They are capable of stable operation for long periods of time in high temperatures and corrosive environments, making them suitable for a variety of industrial and commercial applications.

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Type	Electrical resistivity (20degreeΩ mm²/m)	Max. temperature (°c)	Tensil strength	Melting point (°c)	Density(g/m³)	TCRx10⁻⁶/°c(20-600°c)	E C
CuNi1	0.03	200	210	1085	8.9	100	-
CuNi2	0.05	200	220	1090	8.9	120	-
CuNi6	0.10	220	250	1095	8.9	60	-
CuNi8	0.12	250	270	1097	8.9	57	-
CuNi10	0.15	250	290	1100	8.9	50	-
CuNi14	0.20	300	310	1115	8.9	30	-
CuNi19	0.25	300	340	1135	8.9	25	-
CuNi23	0.30	300	350	1150	8.9	16	-
CuNi30	0.35	350	400	1170	8.9	10	-
CuNi34	0.40	350	400	1180	8.9	0	-
CuNi44	0.50	400	420	1200	8.9	-6	-

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)

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