CuNi2/CuNi6/CuNi8/CuNi10 Copper Nickel CuNi Alloy Electric Heating Wire With Low Resistance

Our Product Introduction

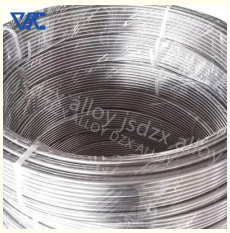
Basic Information

- 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
- Cu (Min): 55%
- Ultimate Strength (≥ MPa): 420
- Elongation (≥ %): 30
- Application: Air Condition Or Refrigerator
- Size: Customized Size
- Resistivity: 0.5
- Density: 8.9g/cm3
- Technology: Rolling And Drawing
- Highlight: **Resistance nickel copper alloy**, **CuNi23 nickel copper alloy**, **nickel copper Strip**

More Images



Our Product Introduction

Product Description

Cuni is a highly versatile type of resistance alloy that is composed primarily of copper and nickel. One of the key benefits of this alloy is its low temperature coefficient of resistance (TCR), which means that it is able to maintain a consistent level of electrical resistance over a wide range of operating temperatures. This makes it an ideal choice for use in a variety of electrical applications where reliable performance is essential.

In addition to its excellent electrical properties, Cuni also boasts impressive mechanical characteristics. It has a low electric resistance, making it an efficient conductor of electricity. It is also highly resistant to both heat and corrosion, which helps to ensure that it will continue to perform reliably even in harsh environments.

Another advantage of Cuni is that it is easy to process and lead welded, making it a popular choice for use in the manufacture of various electrical components. It is commonly used to make key components in thermal overload relays, low resistance thermal circuit breakers, and other types of electrical appliances. Additionally, it is an important material for electrical heating cables, which are used to provide heat in a variety of industrial and commercial settings.

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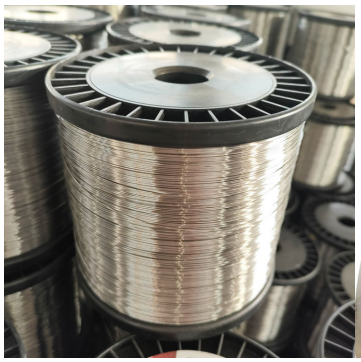
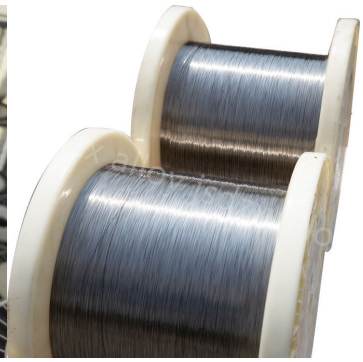
Overall, Cuni is an incredibly versatile and reliable type of resistance alloy that is well-suited for use in a wide range of electrical applications. Its unique combination of electrical and mechanical properties make it an ideal choice for anyone looking for a high-quality, dependable material that can stand up to even the toughest conditions.

Type	Electrical resistivity (20degreeΩ mm²/m)	Max. temperature (°c)	Tensil strength	Melting point (°c)	Density(g/m^3)	TCRx10^{-6}/°c(20-600°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	0.05-7.5
Rod	8-50
Ribbon	(0.05-0.35)*(0.5-6.0)
Strip	(0.5-2.5)*(5-40)





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