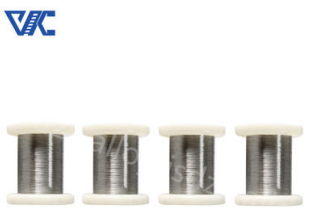
Hot Sale Copper Nickel Alloy CuNi23 Electric Heating Resistance CuNi Wire

Our Product Introduction

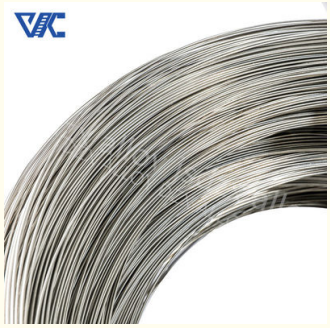
Basic Information

- 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
- 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: **Binary CuNi Alloy**, **CuNi Alloy CuNi30**, **cu ni alloy Rod**



More Images

Our Product Introductio

Product Description

CUNI30 ALLOY (CHEMISTRY - UNS 96400) WITH EXCELLENT CORROSION RESISTANCE IN SALT WATER AND STABLE MATERIAL PROPERTIES RANGING FROM 400 °C TO CRYOGENIC TEMPERATURES (-270°C)

CuNi30 is a type of resistance alloy that consists of a combination of copper and nickel. This binary alloy is known for its low-temperature coefficient of resistance, making it an ideal choice for various electrical components such as rheostats, shunts, and controllers. These components are typically designed for low-voltage applications and can operate at a maximum temperature of 300°C.

In addition to its use in electrical components, CuNi30 is also commonly used in low-temperature heating cables. For example, it can be found in automobile heating cushions and railway snow melting systems due to its excellent heat coefficient. This makes CuNi30 a versatile material that can be used in a variety of applications where low-temperature resistance and good heat conductivity are

required.

C71580 copper-nickel is a type of copper-nickel alloy that is primarily used in the production of wrought products. This material is known for its excellent properties, especially when it is annealed. It is also known as CuNi30 in the EN chemical designation system and has the UNS number C71580.

Compared to other copper-nickel alloys, C71580 has a moderately high base cost. Additionally, it has a moderately high embodied energy and a moderately low electrical conductivity. However, despite these drawbacks, C71580 copper-nickel is still widely used in various industries.

The material properties of C71580 copper-nickel are compared to those of wrought copper-nickels, all copper alloys, and the entire database in the graph bars below. The bars represent the highest value in the relevant set, with a full bar indicating the highest value and a half-full bar indicating 50% of the highest value. This comparison provides valuable information for those who are considering using C71580 copper-nickel in their projects.

Product Description
Cu-Ni Alloy: CuNi1, CuNi2, CuNi6, CuNi8, CuNi10, CuNi14, CuNi19, CuNi23, CuNi30, CuNi34, CuNi44
NC003, NC005, NC010, NC012, NC015, NC020, NC025, NC030, NC035, NC040, NC050
We can supply type of : wire, ribbon, strip, customized furnace spring wire/strip
Cold Drawing Wire: DIA 0.03m-8.0mm
Hot Rolled Rod / Bar: DIA 8.0mm-50.0mm
Cold Rolled Ribbon/Strip: (0.05mm-0.35mm) *(0.5-6.0)mm
Hot Rolled Strip: (0.5mm-2.5mm) *(5-180.0)mm

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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