



## Copper Nickel Alloy Cuni23 Cuni 40 Cuni44 Resistant Wire Price Per Kg

Our Product Introduction

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### 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 ( $\geq$  MPa): 420
- Elongation ( $\geq$  %): 35
- Application: Air Condition Or Refrigerator
- Size: Customize
- Resistivity: 0.5
- Density: 8.9g/cm<sup>3</sup>
- Technology: Rolling And Drawing
- Highlight: Copper Nickel Binary Alloy, CuNi34 Binary Alloy, CuNi34 alloy of cu and ni



### More Images



### Product Description

CuNi34 is a type of resistance alloy that is composed of copper and nickel. This binary alloy has a low-temperature coefficient of resistance, making it an ideal material for manufacturing low voltage electrical components such as rheostats, shunts, and controllers. It can withstand a maximum operating temperature of 300°C, making it highly reliable for use in various applications.

One of the notable features of CuNi34 is its excellent heat coefficient, which makes it highly suitable for use in low-temperature heating cables. For instance, it is commonly used in automobile heating cushions and railway snow-melting systems. Its versatility and reliability have made it a popular choice among manufacturers of electrical components.

OhmAlloy040, also known as CuNi34 or NC040, is a copper-nickel alloy that has a low resistivity and is suitable for use at temperatures up to 350°C. This alloy is widely used as a low resistance heating material in various low-voltage electrical products, such as circuit breakers, electric blankets, and

Our Product Introduction

thermal overload relays.

Apart from its use in electrical products, OhmAlloy040 is also used in shipbuilding, petroleum, chemical, construction, electric power, precision instruments, medical equipment, and musical instruments. This is because it is a corrosion-resistant material that can be used to make structural parts. Additionally, some types of cupronickel have special electrical properties that make them suitable for use in resistance elements, thermocouple materials, and compensation wires.

Non-industrial cupronickel is also available and is mainly used to create decorative crafts. Overall, OhmAlloy040 is a versatile material that has a wide range of applications across various industries.

**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 0.03mm-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 $\mu\Omega\cdot m$ )	Max. Working Temperature(C)	Tensile Strength (Mpa)	Melting Point	Length
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)



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