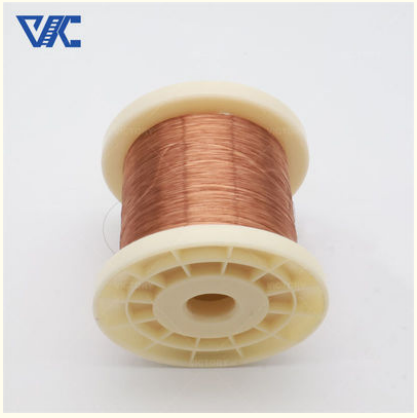
NC005 CuNi2 Copper Nickel Heating Resistance Wire Used For Electronic Components

Our Product Introduction

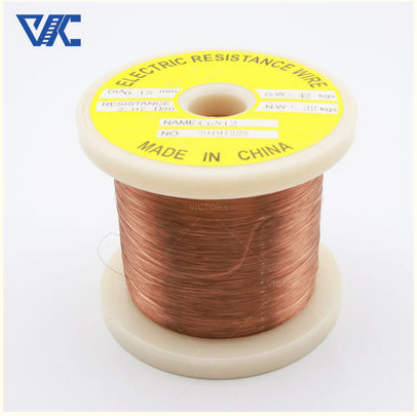
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ROHS,ISO 9001
- Model Number: CuNi2 NC005
- Minimum Order Quantity: 5~10kgs
- Price: 15~20 $/kg
- Packaging Details: Wooden box/pallet, spool wire with carton box, coil 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: NC005 CuNi2 Copper Nickel Heating Resistance Wire Used For Electronic Components
- Material: Cu/Ni/Mn
- Nickel: 2%
- Resistivity: 0.05μΩ.m20°C
- Tensile Strength: 220 MPA
- Density: 8.9 G/cm3
- Condition: Hard / Soft
- Sureface: Bright
- Delivery Time: 7-20 Days
- Maximum Temperature: 200°C
- Melting Point: 1090°C
- TCR: 120 X10-6/C
- EMF Vs Cu: -12 UV/C
- Elongation: 15-25%



More Images

Our Product Introduction

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Product Description

Introduction:

CUNI 2 wire, is a type of copper-nickel alloy with a composition of 98% copper and 2% nickel.
This alloy is known for its excellent resistance to corrosion, particularly in marine environments, and it also exhibits good thermal conductivity. Additionally, CUNI 2 wire is highly ductile, making it easy to form and fabricate into various shapes.
This type of wire is commonly used in applications such as marine and offshore systems, desalination plants, heat exchangers, and various other industrial and commercial applications where corrosion resistance, thermal conductivity, and durability are important. CUNI 2 wire's properties make it well-suited for demanding environments and critical applications.

Application:

Marine and offshore systems: CUNI 2 wire is frequently used in marine environments due to its exceptional resistance to seawater corrosion. It is utilized in applications such as seawater piping, heat exchangers, and condensers on ships and offshore platforms.
Desalination plants: Due to its corrosion resistance and durability, CUNI 2 wire is employed in desalination plants for components such as evaporators, condensers, and piping systems.
Heat exchangers: The good thermal conductivity and corrosion resistance of CUNI 2 wire make it suitable for use in heat exchanger systems, including those used in power plants and industrial processes.
Chemical processing: CUNI 2 wire is utilized in various chemical processing applications where resistance to corrosive chemicals and solutions is essential.
Offshore oil and gas platforms: The corrosion resistance and durability of CUNI 2 wire make it suitable for use in offshore oil and gas platforms, including piping systems and other critical components.

Advantage:

Corrosion resistance: CUNI 2 wire demonstrates outstanding resistance to corrosion, particularly in marine environments and other settings where exposure to seawater or corrosive elements is a concern. This makes it a preferred choice for applications where protection against corrosion is crucial.
Thermal conductivity: CUNI 2 wire exhibits good thermal conductivity, allowing efficient heat transfer. This property is beneficial in applications such as heat exchangers and other systems where thermal performance is important.
Ductility and workability: CUNI 2 wire is highly ductile and can be easily formed and fabricated into various shapes. Its malleability makes it suitable for a wide range of manufacturing processes and applications.
Resistance to biofouling: In marine applications, CUNI 2 wire's resistance to biofouling, the accumulation of microorganisms and marine life on submerged surfaces, is advantageous.

Parameter:

Main Chemical composition (%)

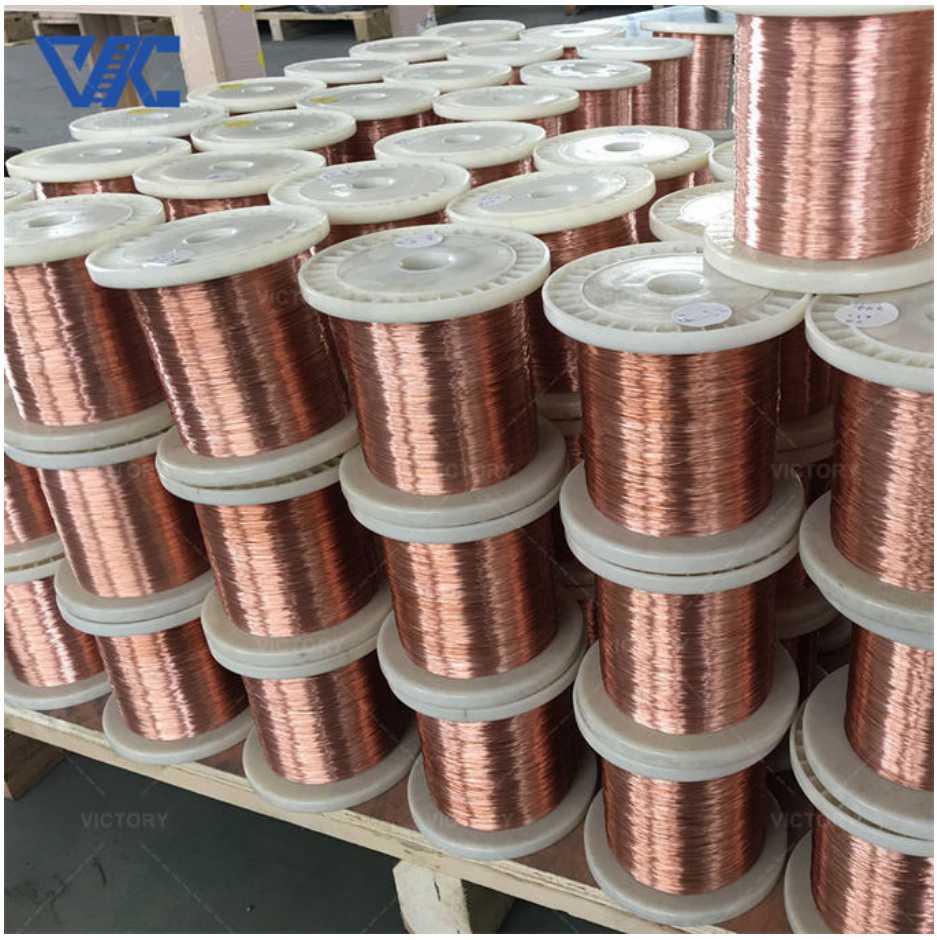
NC003 CuNi1	Copper	Nickel	Manganese
Chemical	balance	1%	1~1.5%

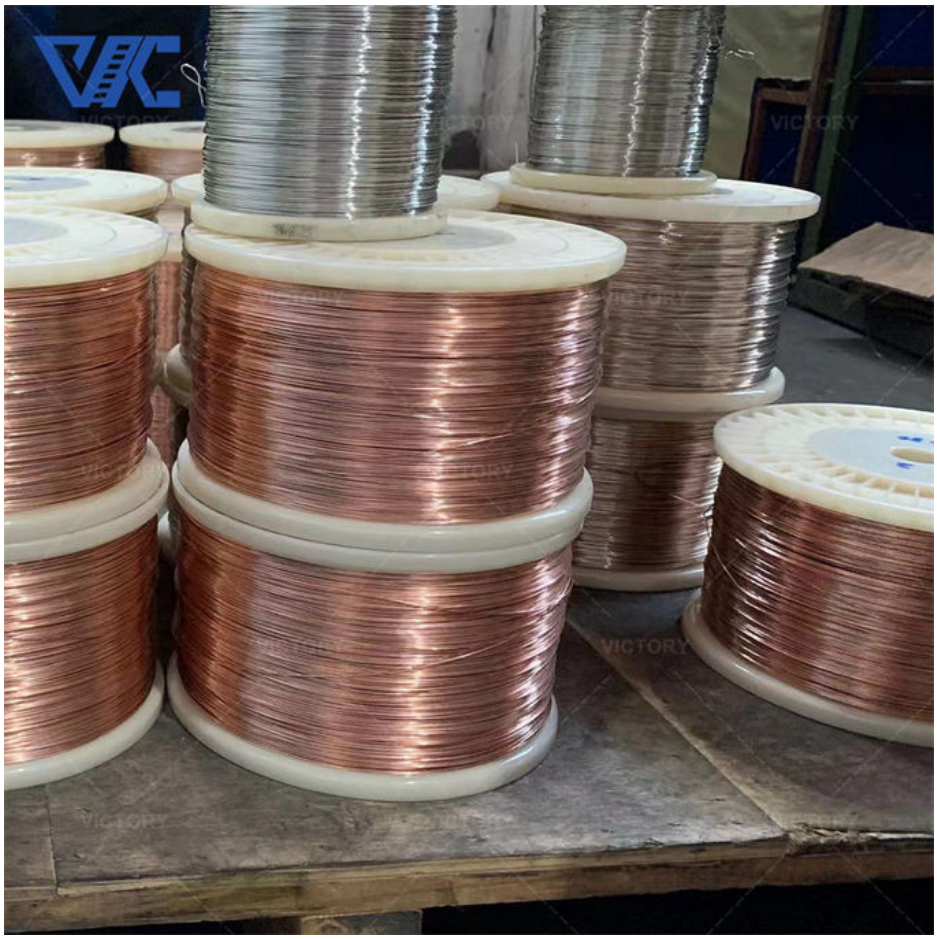
Physical Parameters:

Type	Resistivity (μΩ.m20°C)	Max working temperature (°C)	Tensile strength (Mpa)	Melting point (°C)	Density (g/cm)	TCR (x10-6/°C) (20~600°C)	EMF vs Cu uV/°C (0~100°C)	Elongation (%)
CuNi2	0.05	200	220	1090	8.9	120	-12	20~25%

Type of product:

Type	Size(mm)		others
Round wire	0.1~8mm		Customized
Flat ribbon wire	W-0.5~5mm	T-0.1~3mm	
Strip/foil	W-6~250mm	T-0.1~3mm	
Rod	8~200mm		





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