



## Good thermal stability NC020 cuni14 copper nickel alloy resistance wire

Our Product Introduction

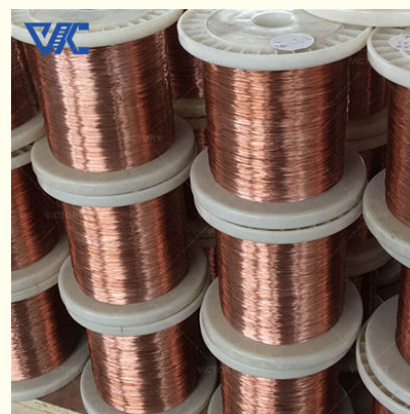
### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ROHS, ISO 9001
- Model Number: CuNi14 NC020
- 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

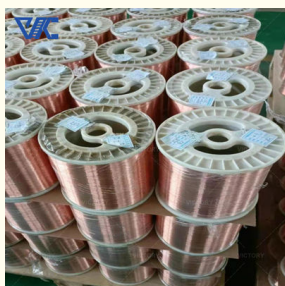


### Product Specification

- Product Name: Good Thermal Stability NC020 Cuni14 Copper Nickel Alloy Resistance Wire
- Material: Cu/Ni/Mn
- Nickel: 14%
- Resistivity:  $0.25\mu\Omega \cdot m$  at  $20^\circ C$
- Tensile Strength: 310 MPA
- Density: 8.9 G/cm<sup>3</sup>
- Condition: Hard / Soft
- Surface: Bright
- Delivery Time: 7-20 Days
- Maximum Temperature: 300°C
- Melting Point: 1115°C
- TCR: 30 X10-6/C
- EMF Vs Cu: -28 UV/C
- Elongation: 15~35%



### More Images



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## Product Description

### Introduction:

NC020 CuNi14 is a type of copper-nickel alloy. It consists of approximately 14% nickel, with small amounts of other elements like iron and manganese.

This alloy is known for its good corrosion resistance, especially in marine environments, making it suitable for applications such as marine hardware, heat exchangers, and electrical components.

### Application:

**Electrical industry:** Utilized in electrical components such as connectors, terminals, and heating elements due to its high electrical conductivity and resistance to corrosion.

**Automotive industry:** Used in automotive components like brake lines, fuel lines, and hydraulic tubing due to its resistance to corrosion and ability to withstand high temperatures.

**Heat exchangers:** Employed in heat exchangers for various industrial applications due to its good thermal stability and resistance to corrosion.

**General engineering:** Widely used in general engineering applications where a combination of corrosion resistance, thermal stability, and electrical conductivity is required.

### Advantage:

One of the advantages of NC020 CuNi14 wire is its excellent corrosion resistance, particularly in marine environments.

This makes it a preferred choice for applications where exposure to saltwater or other corrosive elements is a concern.

Additionally, NC020 CuNi14 wire offers good thermal stability, high electrical conductivity, and ease of fabrication, making it suitable for a wide range of applications in industries such as marine, electrical, and automotive.

### Parameter:

Main Chemical composition (%)

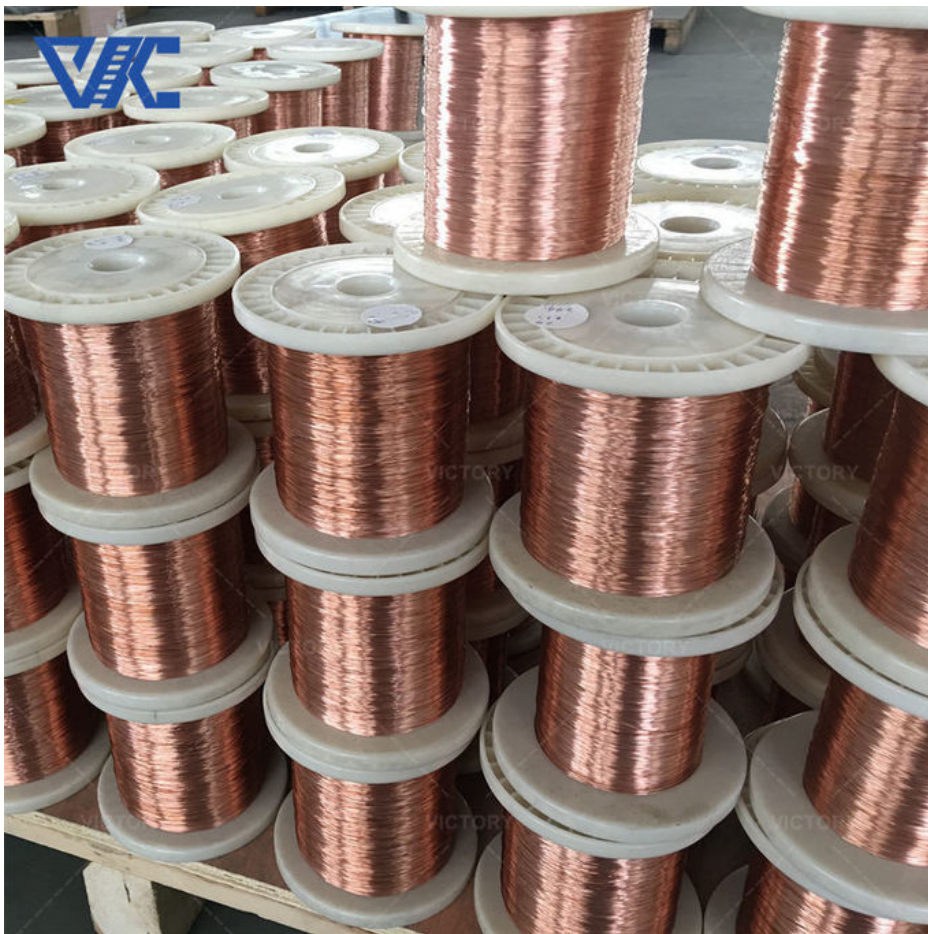
NC020 CuNi14	Copper	Nickel	Manganese
Chemical	balance	14%	1~1.5%

Physical Parameters:

Type	Resistivity ( $\mu\Omega\cdot m$ 2 0°C)	Max working temperature (°C)	Tensile strength (Mpa)	Melting point (°C)	Density (g/cm)	TCR ( $\times 10^{-6}/^{\circ}C$ ) (20~600°C)	EMF vs Cu $\mu V/^{\circ}C$ (0~100°C)	Elongation (%)
CuNi14	0.20	300	310	1115	8.9	30	-28	15~35%

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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