



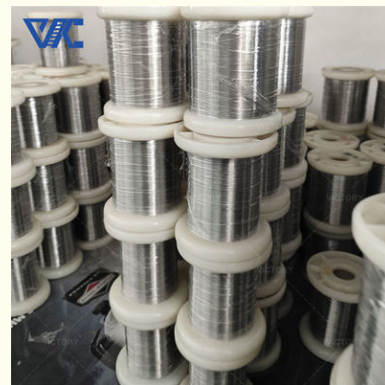
Hastelloy C276 Wire 0.2mm-8mm Spring Wire

Our Product Introduction

for more products please visit us on victory-alloy.com

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: C276
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Nickel wire is rolled on white spool or packed with plastic film,in cartoon boxes. Special packaging requirements can also be accommodated. OEM is also acceptable
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Name: Hastelloy C276 Wire
- Type: Nickel Alloy Wire
- Material: Ni Cr Mo
- Elongation (\geq %): 30 %
- Density: 8.89 G/cm³
- Brinell Hardness HB: \leq 220
- Tensile Strength Rm N/mm²: 760MPA
- Yieldstrength R P0.2 N/mm²: 345MPA
- Melting Point: 1325-1370°C
- Electrical Resistivity 24°C : 1.30 Microhm-m
- Application: Aerospace Industry,Chemical Processing
- Thermal Conductivity 32°C :9.4 W/m-K
- Highlight: Hastelloy Alloy Acetic Anhydride,
C4 Hastelloy Alloy, hastelloy c4 2.4610



More Images



Product Description

Introduction:

Hastelloy C276 alloy wire also has certain applications in the electronics industry. Although the electronics industry generally focuses more on electrical and thermal conductivity, and the main features of Hastelloy C276 alloy wire are its corrosion resistance and high temperature performance, it still plays a role in some special electronic applications.

In the electronics industry, Hastelloy C276 alloy wire can be used as a protective shell or coating material for electronic devices. Because the alloy has excellent corrosion resistance and can resist the erosion of some corrosive gases, liquids and chemicals, it can provide effective protection for electronic devices.

In addition, Hastelloy C276 alloy wire can also be used to manufacture some special electronic components, such as high temperature sensors and resistors. The alloy has excellent high temperature resistance, can maintain stability in high temperature environments, and has certain resistance characteristics, making it suitable for some special electronic circuits and devices.

Although Hastelloy C276 alloy wire has relatively few applications in the electronics industry, its corrosion resistance and high temperature performance make it a consideration for certain electronic devices and environments with special needs. However, for general electrical and thermal conductivity needs, other more suitable materials are often chosen, such as copper, aluminum and various alloys.

Characteristic:

Corrosion resistance: Hastelloy C276 alloy wire has excellent corrosion resistance and can resist corrosion from acids, alkalis and chemicals commonly found in the electronics industry, maintaining the stability and long life of electronic equipment.

High-temperature stability: Alloy wire can maintain good mechanical properties and structural stability in high-temperature environments, and is suitable for the manufacturing of high-temperature electronic devices and equipment.

Electromagnetic shielding performance: Alloy wire has good electromagnetic shielding properties, which can effectively block electromagnetic radiation and interference and improve the performance and reliability of electronic equipment.

High strength: Hastelloy C276 alloy wire has high strength and can withstand high tension and extrusion forces in the electronics industry.

Advantage:

Corrosion resistance: Hastelloy C276 alloy wire can resist corrosion from acids, alkalis and chemical substances in the electronics industry, extending the service life of electronic equipment.

High-temperature stability: Alloy wire can maintain structural stability and performance in high-temperature environments, and is suitable for the working environment of high-temperature electronic devices and equipment.

Electromagnetic shielding capability: Alloy wire can effectively shield electromagnetic radiation and interference, providing electromagnetic compatibility and anti-interference capabilities for electronic equipment.

High strength: Alloy wire has high strength and can withstand high tension and extrusion forces in the electronics industry, providing structural stability and reliability.

Application:

Electronic device packaging: Hastelloy C276 alloy wire can be used to manufacture packaging materials for electronic devices, providing excellent corrosion resistance and high temperature stability.

Electronic batteries: Alloy wire can be used in electrolytic cells, electrodes and connecting wires of electronic batteries and is favored for its corrosion resistance and high strength.

Electronic component connection: Alloy wire can be used as a connecting wire between electronic components, providing reliable electrical connection and corrosion resistance.

High-temperature electronic devices: Hastelloy C276 alloy wire is suitable for manufacturing high-temperature electronic devices, such as high-temperature sensors, thermocouples, and high-temperature resistors. It is widely used for its high-temperature stability and corrosion resistance.

Other relevant knowledge points:

Applications of Hastelloy C276 alloy wire in the electronics industry often require compliance with specific standards and specifications to ensure product quality and performance.

The manufacturing and processing of this alloy wire requires strict control of alloy composition, temperature and processing technology to ensure product consistency and reliability.

During the design and use process, other factors need to be considered, such as temperature, voltage, current, electromagnetic environment and special requirements of electronic devices, to ensure that the alloy wire can meet specific process and performance requirements.

The application of Hastelloy C276 alloy wire can also be extended to other electronic fields, such as aerospace, communication equipment and semiconductor manufacturing, providing excellent corrosion resistance, high temperature stability and electromagnetic shielding performance.

Parameter:

Hastelloy Alloy	Ni	Cr	Co	Mo	FE	W	Mn	C	V	P	S	Si
C276	Balance	14.5-16.5	2.5 Max	15.0-17.0	4.0-7.0	3.0-4.5	1.0 Max	0.01 Max	0.35 Max	0.04 Max	0.03 Max	0.08 Max

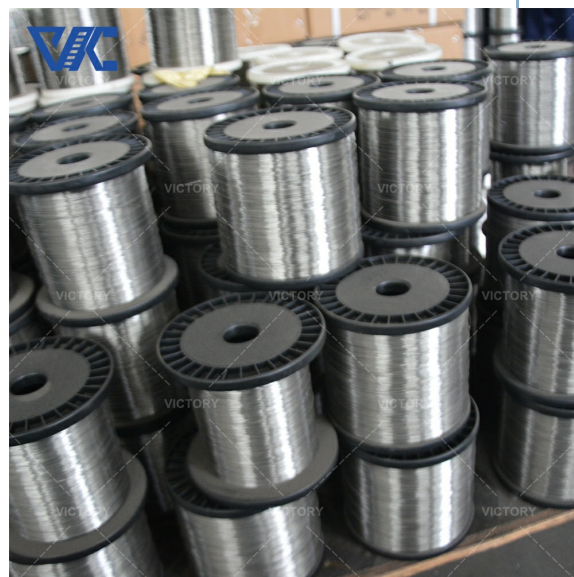
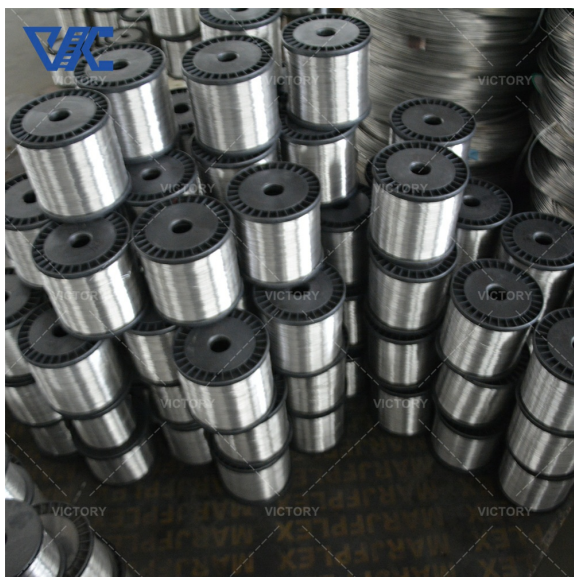
Type we could offer

ASTM	Alloy	Type	UNS	Misc./Shape
ASTM B574 Bar	Hastelloy C276	Nickel	N10276	Bar
ASTM B575 Plate	Hastelloy C276	Nickel	N10276	Plate
ASTM B575 Strip	Hastelloy C276	Nickel	N10276	Strip
ASTM B575 Sheet	Hastelloy C276	Nickel	N10276	Sheet
ASTM B619 Welded Pipe	Hastelloy C276	Nickel	N10276	Welded Pipe
ASTM B622 Seamless Tubing	Hastelloy C276	Nickel	N10276	Seamless Tubing

ASTM B366 Fittings	Hastelloy C276	Nickel	N10276	Fittings
ASTM B574 Wire	Hastelloy C276	Nickel	N10276	Wire

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Oem service:
 Welcome customized size
 We are experience factory for OEM&ODM service



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