



## 240 MPa Yield Strength Monel Wire ASTM B164 With Tensile Strength 550-750 MPa

Our Product Introduction

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### Basic Information

- Place of Origin: China JiangSu
- Brand Name: Victory
- Model Number: Monel Wire



### Product Specification

- Thermal Conductivity: 21 W/m·K
- Tensile Strength: 550-750 MPa
- Corrosion Resistance: Excellent
- Surface Finish: Bright, Matte
- Material: Monel
- Applications: Marine, Chemical Processing, Aerospace, Oil And Gas
- Magnetic Properties: Non-magnetic
- Density: 8.80 G/cm<sup>3</sup>
- Highlight: **ASTM B164 Monel Wire,  
550-750 MPa Monel Wire,  
240 MPa Yield Strength Monel Wire**

## Product Description

### Product Description:

The Monel Wire has an electrical conductivity of 27% IACS, which makes it an excellent choice for electrical applications. It can be used for electrical wiring, grounding, and other applications that require high conductivity. Additionally, this wire has a bright or matte surface finish, which makes it easy to work with and aesthetically pleasing.

The Monel Wire is known for its high melting point of 1300-1350°C, which makes it ideal for high-temperature applications. It can withstand extreme temperatures without losing its shape or structural integrity. This wire is also highly resistant to corrosion, making it an excellent choice for marine and chemical processing applications.

The Monel Wire is a versatile wire that can be used in a variety of applications. It is commonly used in the marine industry for applications such as guyed wire towers, mooring cables, and seawater pumps. In the chemical processing industry, this wire is used for heat exchangers, valves, and pumps. It is also used in aerospace and oil and gas industries for various applications.

The Monel Wire has a yield strength of 240 MPa, which makes it strong and durable. It can withstand heavy loads and high stress without deforming or breaking. This wire is also easy to work with and can be bent, twisted, and shaped into various forms without losing its strength.

In summary, the Monel Wire is a high-performance wire that is widely used in various industrial applications. Its exceptional properties make it a popular choice for marine, chemical processing, aerospace, and oil and gas industries. This wire features a unique combination of nickel and copper, which gives it superior strength, high electrical conductivity, and excellent resistance to corrosion. With its bright or matte surface finish and high melting point, the Monel Wire is a versatile wire that can be used in a variety of applications.

### Technical Parameters:

Magnetic Properties	Non-magnetic
Elongation	35-55%
Melting Point	1300-1350°C
Surface Finish	Bright, Matte
Surface	Bright, Oxided
Yield Strength	240 MPa
Tensile Strength	550-750 MPa
Wire Diameter	0.1mm-10mm
Material	Monel
Thermal Conductivity	21 W/m-K

### Applications:

The Monel Wire is ideal for marine-related applications such as shipbuilding and offshore oil rigs due to its high resistance to corrosion and erosion. Its strength and durability make it perfect for use in chemical processing plants where it can withstand harsh chemicals and high temperatures, making it a popular choice for heat exchangers, valves, pumps, and other equipment. In aerospace, the Monel Wire is used in the manufacture of aircraft engines, exhaust systems, and other high-performance components that require strength and resistance to corrosion.

In the oil and gas industry, the Monel Wire is used in the production of oil rigs and pipelines. Its resistance to corrosion and erosion makes it ideal for use in harsh environments where exposure to chemicals and saltwater is common. The wire is also used in the production of annealed twisted wire and black annealed wire, which are used in various industrial applications.

The Monel Wire is also popular in the manufacturing industry, where it is used in the production of bright steel wire, which is used in the construction of springs, fasteners, and other metal components. It is also used in the production of electrical and electronic components, such as connectors, switchgear, and transformers, due to its non-magnetic properties.

In conclusion, the Victory Monel Wire is a versatile and durable wire that is perfect for a wide range of applications in different industries. Its strength, resistance to corrosion and erosion, and non-magnetic properties make it a popular choice for marine, chemical processing, aerospace, and oil and gas applications. It is also used in the production of annealed twisted wire, black annealed wire, and bright steel wire, making it an indispensable wire for various industrial applications.

### Support and Services:

Our Monel Wire product technical support and services include:

Expert consultation on product selection and application

Assistance with product specification and customization

Product testing and certification

Training and education on product use and maintenance

24/7 technical support for product troubleshooting and issue resolution

### Packing and Shipping:

**Product Packaging:**

The Monel Wire product will be packaged in a durable and moisture-resistant plastic bag to ensure the product is protected during transportation.

The plastic bag will be placed inside a sturdy cardboard box with cushioning material to prevent any damage during shipping.

The product will be labeled with the product name, quantity, and any other relevant information for easy identification.

**Shipping:**

The Monel Wire product will be shipped via a reliable carrier service to ensure timely and secure delivery.

Shipping fees will be calculated based on the destination and weight of the package.

Tracking information will be provided to the customer once the product has been shipped.

Any special shipping instructions or requests can be communicated to our customer service team.

**FAQ:**

A: The brand name of the wire product is Victory.

Q: What is the model number of the wire product?

A: The model number of the wire product is Monel Wire.

Q: Where is the Monel Wire produced?

A: The Monel Wire is produced in China JiangSu.

Q: What are the dimensions of the Monel Wire?

A: The dimensions of the Monel Wire can vary, but they are typically between 0.01mm and 10mm in diameter.

Q: What are the applications of the Monel Wire?

A: The Monel Wire is commonly used in the aerospace, chemical, and marine industries due to its high corrosion resistance and strength.



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