



## Electrical Conductivity 27% IACS Annealed Twisted Wire For Aerospace

Our Product Introduction

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### Basic Information

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



### Product Specification

- Surface: Bright, Oxided
- Wire Diameter: 0.1mm-10mm
- Thermal Conductivity: 21 W/m·K
- Melting Point: 1300-1350°C
- Density: 8.80 G/cm³
- Tensile Strength: 550-750 MPa
- Magnetic Properties: Non-magnetic
- Elongation: 35-55%
- Highlight: **Aerospace Twisted Wire,  
27% IACS Twisted Wire, Annealed Twisted Wire**



## Product Description

### Product Description:

One of the standout features of the Monel Wire is its excellent corrosion resistance. It is highly resistant to saltwater, acids, and alkaline solutions, making it a popular choice for marine, chemical processing, and oil and gas industries. This wire is also resistant to pitting and crevice corrosion, which can occur in harsh environments.

Another important attribute of the Monel Wire is its thermal conductivity. It has a thermal conductivity of 21 W/m-K which means it can conduct heat efficiently. This makes it an ideal choice for applications where heat transfer is important, such as in aerospace and industrial applications.

In addition to its strength and corrosion resistance, the Monel Wire is also non-magnetic. This makes it a popular choice for applications where magnetic properties are not desired, such as in medical equipment and electronics.

The Monel Wire is highly versatile and can be used in a wide range of applications. It is commonly used in marine environments for mooring cables, wire rope, and fishing nets. It is also used in chemical processing for pumps, valves, and heat exchangers. In aerospace, it is used for engine components, landing gear, and aircraft frames. In the oil and gas industry, it is used for drilling equipment, pipelines, and offshore platforms.

Overall, the Monel Wire is a highly reliable and durable wire that is suitable for a wide range of applications. Its exceptional strength, corrosion resistance, thermal conductivity, and non-magnetic properties make it an ideal choice for marine, chemical processing, aerospace, oil and gas, medical, and electronics applications. Whether you need Black Annealed Tie Wire, Bright Steel Wire, or Bright Steel Wire, the Monel Wire is a reliable and high-quality choice.

### Technical Parameters:

Technical Parameter	Value
Product	Monel Wire
Yield Strength	240 MPa
Standard	ASTM B164, UNS N04400
Material	Monel
Electrical Conductivity	27% IACS
Tensile Strength	550-750 MPa
Elongation	35-55%
Corrosion Resistance	Excellent
Magnetic Properties	Non-magnetic
Melting Point	1300-1350°C
Density	8.80 G/cm <sup>3</sup>

### Applications:

One of the most common applications of the Victory Monel Wire is in the construction industry. It is used to reinforce and secure concrete structures, such as bridges, buildings, and highways. This wire is also used in the manufacturing of Black Annealed Wire and Annealed Twisted Wire, which are used as ties and support structures in various construction projects.

Another application of the Victory Monel Wire is in the telecommunications industry. It is often used as Guyed Wire Tower, which is a support system for radio and television antennas. The high strength and durability of this wire make it an ideal choice for this application. The Victory Monel Wire is also used in the marine industry. It is resistant to corrosion and is often used in the manufacturing of marine hardware, such as propeller shafts, valves, and pumps. This wire is also used in the construction of boats and ships, as it can withstand harsh marine environments.

In conclusion, the Victory Monel Wire is a versatile and durable product that is used in various industries and applications. Its high strength, corrosion resistance, and electrical conductivity make it an ideal choice for construction, telecommunications, and marine applications. If you are looking for a reliable and high-quality wire product, the Victory Monel Wire is an excellent choice.

### Support and Services:

Our Monel Wire product technical support team is available to assist you with any questions or concerns you may have regarding the product. We provide comprehensive technical documentation, including product specifications, installation guidelines, and troubleshooting tips to help ensure that you get the most out of your Monel Wire product. Additionally, we offer a range of services to help you maintain and optimize your product's performance, such as preventative maintenance, equipment upgrades, and repair services. Our trained technicians are available to provide on-site support as needed, and we offer a variety of training programs to help you get the most out of your Monel Wire product. Contact us today to learn more about our technical support and services for Monel Wire.

### Packing and Shipping:

Product Packaging:

Monel wire will be packaged in a sturdy cardboard box to ensure safe transportation.  
The wire will be wound onto a spool to prevent tangling and damage during shipping.  
The spool will be securely fastened in the box with packing materials to prevent movement and damage.  
The box will be labeled with the product name, size, and quantity.  
Shipping:  
Monel wire will be shipped via a trusted courier service.  
Shipping times may vary depending on the destination, but we aim to deliver within 3-5 business days.  
Customers will receive a tracking number once the product has been shipped.  
If a customer needs expedited shipping, please contact us for options and pricing.

## FAQ:

**Q:** What is the brand name of this product?

**A:** The brand name of this product is Victory.

**Q:** What is the model number of this product?

**A:** The model number of this product is Monel Wire.

**Q:** Where is this product manufactured?

**A:** This product is manufactured in China JiangSu.

**Q:** What are the dimensions of this product?

**A:** The dimensions of this product vary depending on the size selected. Please refer to the product specifications for more information.

**Q:** What is the material composition of this product?

**A:** This product is made from Monel, which is a nickel-copper alloy.



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