



21 W/m-K Thermal Conductivity Bare Copper Wire Aerospace Essential Component

Our Product Introduction

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Basic Information

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



Product Specification

- Applications: Marine, Chemical Processing, Aerospace, Oil And Gas
- Elongation: 35-55%
- Melting Point: 1300-1350°C
- Electrical Conductivity: 27% IACS
- Yield Strength: 240 MPa
- Tensile Strength: 550-750 MPa
- Wire Diameter: 0.1mm-10mm
- Material: Monel
- Highlight: **Aerospace Essential Component Bare Copper Wire**
, Aerospace Bare Copper Wire,
Essential Component Bare Copper Wire



Product Description

Product Description:

Our Monel Wire has a tensile strength of 550-750 MPa, which means it is strong and durable enough to withstand heavy loads and stress. Additionally, it has an elongation rate of 35-55%, allowing it to bend and flex without breaking or snapping under pressure. This combination of strength and flexibility makes it a great choice for creating Copper Tie Wire that can be used in a range of different environments and conditions.

Another key feature of our Monel Wire is its electrical conductivity. With an electrical conductivity rate of 27% IACS, it is an excellent conductor of electricity, making it ideal for use in electrical applications. Whether you are creating wiring for a large-scale electrical system or need a wire that can conduct electricity for a specific purpose, our Monel Wire is the perfect choice.

Overall, our Monel Wire product is an incredibly versatile and high-quality wire that is perfect for a range of different applications. Whether you are looking to create Black Annealed Tie Wire, Bright Steel Wire, or Copper Tie Wire, this wire can meet your needs. With its non-magnetic properties, high tensile strength, excellent elongation rate, and impressive electrical conductivity, it is a wire that you can trust to perform well in any situation.

Technical Parameters:

Technical Parameter	Value
Material	Monel
Standard	ASTM B164, UNS N04400
Surface Finish	Bright, Matte, Oxided
Density	8.80 G/cm ³
Thermal Conductivity	21 W/m·K
Electrical Conductivity	27% IACS
Tensile Strength	550-750 MPa
Yield Strength	240 MPa
Elongation	35-55%

Applications:

The Victory Monel Wire is available in both bright and oxidized surfaces, making it suitable for use in different scenarios. It is a non-magnetic wire that is perfect for applications where magnetic properties are not desirable. The wire is available in different forms, including bare copper wire, annealed twisted wire, and alloy wire, allowing it to be customized to meet specific application requirements. One of the most significant advantages of the Victory Monel Wire is its excellent corrosion resistance. The wire can withstand harsh environments and is resistant to corrosion from a wide range of chemicals, making it ideal for use in marine environments, chemical processing plants, and other demanding applications.

The Victory Monel Wire is widely used in the aerospace, automotive, and electronics industries. It is used in the manufacture of electrical components, including wire mesh, heating elements, and connectors. The wire is also used in the production of springs, fasteners, and other mechanical components that require high strength and durability.

In the marine industry, the Victory Monel Wire is used in the production of marine hardware, including propeller shafts, valves, and pumps. It is also used in the manufacture of boat fittings, navigation equipment, and electrical components that require excellent corrosion resistance.

In the chemical processing industry, the Victory Monel Wire is used in the production of chemical reactors, heat exchangers, and other equipment that requires resistance to corrosive chemicals. The wire is also used in the manufacture of pumps, valves, and fittings that are used to transport and control the flow of chemicals.

Overall, the Victory Monel Wire is a versatile and reliable alloy wire that can be used in a wide range of applications. Its excellent corrosion resistance and high strength make it an ideal choice for use in harsh environments, while its customizable forms allow it to be tailored to meet specific application requirements.

Support and Services:

Our Monel Wire product comes with comprehensive technical support and services to ensure that our customers have a seamless experience:

Expert technical assistance for any product-related queries or issues.

Assistance with product installation, configuration, and troubleshooting.

Product training and technical documentation to aid in product usage and maintenance.

Warranty and repair services to ensure product longevity and customer satisfaction.

Please don't hesitate to contact us for any technical support or service needs related to our Monel Wire product.

Packing and Shipping:

Product Packaging:

The Monel Wire is carefully packaged in a sturdy plastic spool to ensure it arrives at your doorstep in excellent condition. The spool is securely wrapped in bubble wrap and placed in a cardboard box to prevent any damage during transit.

Shipping:

We offer free standard shipping for all orders of Monel Wire within the United States. Once your order is processed, it will be shipped within 1-2 business days and delivery typically takes 3-5 business days. We also offer expedited shipping options for an additional fee if you need your order sooner.

FAQ:

Q: What is the brand name of the Monel Wire product?

A: The brand name of the Monel Wire product is Victory.

Q: What is the model number of the Monel Wire product?

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

Q: Where is the Monel Wire product made?

A: The Monel Wire product is made in China JiangSu.

Q: What are the features of the Monel Wire product?

A: The Monel Wire product is resistant to corrosion, high temperature and pressure. It is also durable and has a long lifespan.

Q: What are the applications of the Monel Wire product?

A: The Monel Wire product is widely used in the marine, chemical and aerospace industries as well as in power generation and oil refineries.



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