



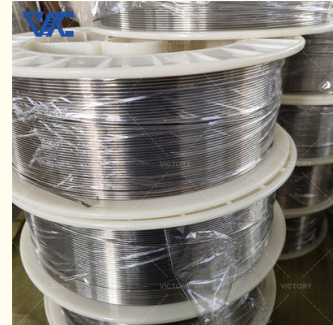
Corrosion Resistant Nickel Alloy Wire Monel 400 For Thermal Spray Wire In Marine And Maritime Industry

Our Product Introduction

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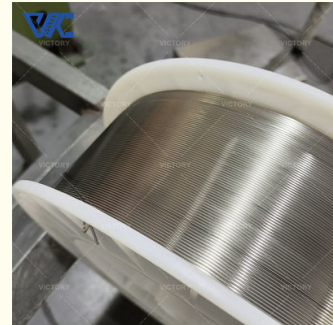
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Monel 400
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

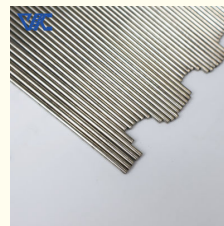
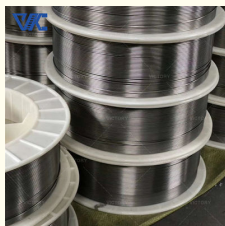


Product Specification

- Product Name: Thermal Spray Wire
- Grade: Monel 400
- Material: Ni+Cu
- Bonding Strength: 48.26 N/mm²
- Deposit Rate: 10 Lbs/hr/100A
- Coating Hardness: HRC 30-35
- Density: 8.83 G/cm³
- Melting Point: 1300-1350°C
- Highlight: Aluminum Nickel Spray Wire, Nickel Spray Wire Ni95Al5, NiAl955 thermal arc spray wire



More Images



Product Description

Introduction:

Monel 400 thermal spray wire has a wide range of applications in the marine and marine industries. Monel 400 is a nickel-copper alloy whose excellent corrosion resistance and mechanical properties make it ideal for marine environments.

There are extremely harsh corrosion conditions in the marine environment, such as salt water corrosion, marine biological erosion, and chloride ion erosion. Monel 400 thermal spray wire can resist these corrosive factors and provide reliable protection. It shows excellent resistance to seawater corrosion and can work stably for a long time in the marine environment, reducing the risk of corrosion damage to equipment and components.

In addition, Monel 400 thermal spray yarn can effectively resist the erosion of marine organisms, such as algae, shellfish and marine microorganisms. These organisms will adhere to the surface of the equipment and cause biological corrosion, and the corrosion resistance of Monel 400 can prevent them from invading and protect the integrity and reliability of the equipment.

Thermal spray wire

Item	Inconel 625	Ni95Al5	45CT	Monel 400	HC-276	Cr20Ni80
C	≤0.05	≤0.02	0.01-0.1	≤0.04	≤0.02	≤0.08
Mn	≤0.4	≤0.2	≤0.2	2.5-3.5	≤1.0	≤0.06
P	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01	≤0.02
S	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01
Si	≤0.15	≤0.2	≤0.2	≤0.15	≤0.08	0.75-1.6
Cr	21.5-23	≤0.2	42-46	-	14.5-16	20-23
Ni	Rest	Rest	Rest	65-67	Rest	Rest
Cu	-	-	-	Rest	-	-
Mo	8.5-10	-	-	-	15-17	-
Ti	≤0.4	0.4-1	0.3-1.0	2.0-3.0	-	-
Al	≤0.4	4-5	-	≤0.5	-	-
Fe	≤1.0	-	≤0.5	≤1.0	4.0-7.0	-
Nb	3.5-4.15	-	-	-	-	≤1.0
Co	-	-	-	-	-	-
V	-	-	-	-	≤0.35	-
W	-	-	-	-	3.0-4.5	-
Impurities	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50

Feature:

Seawater Corrosion Resistance: Monel 400 thermal spray wire has excellent resistance to seawater corrosion, making it very popular in marine environments.

Resistance to stress corrosion cracking: The alloy has good resistance to stress corrosion cracking, which is particularly important in the marine industry.

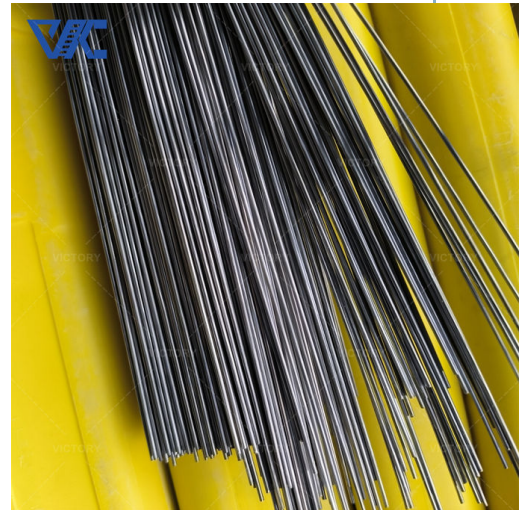
Wear resistance: Monel 400 alloy has good wear resistance and is able to maintain surface integrity for long periods of time in marine environments.

Application:

Ship components: Monel 400 thermal spray wire is commonly used in marine ship components, such as hulls, ship structural parts and ship pipes. It provides protection against seawater corrosion and enhances the durability of ship structures.

Offshore platforms: Monel 400 alloy is widely used in offshore platform construction, including offshore oil drilling platforms, offshore wind power platforms, etc. It can be used in coatings, connections, valves and seawater treatment equipment, etc.

Offshore oil and gas extraction: Monel 400 thermal spray wire plays an important role in the field of offshore oil and gas extraction. It can be applied to oil well equipment, pipes and valves to provide protection against corrosion and wear.



Q&A:

What are the main advantages of Monel 400 thermal spray wire in the marine industry?

Monel 400 thermal spray wire has excellent resistance to seawater corrosion and stress corrosion cracking, making it suitable for applications in the marine industry that require durability and reliability.

How does Monel 400 thermal spray wire compare to other spray materials?

Compared with other spray materials, Monel 400 thermal spray wire is a nickel-copper alloy with excellent seawater corrosion resistance and stress corrosion cracking resistance, and is especially suitable for the marine and maritime industry.

How is Monel 400 thermal spray wire used in offshore platform construction?

Monel 400 thermal spray wire can be used in coatings, connectors, valves, seawater treatment equipment and other components of offshore platforms to provide protection against corrosion and wear.



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