



## Corrosion Resistant Alloy Inconel625 Thermal Spray Wire In Oil And Gas Industry

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: inconel625
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Spool package with Carton box, Coil package with polybag for Ni95al5
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

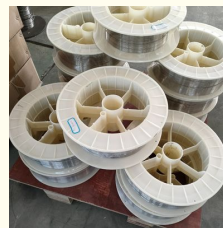


### Product Specification

- Product Name: Thermal Spray Wire
- Grade: Metco 8625/inconel 625
- Material: Ni+Cr+Mo
- Size: 0.8mm 1.2mm 1.6mm 2.4mm 3.2mm
- Coating Hardness: HRB 92
- Bonding Strength: 48.26 N/mm2
- Tensile Strength: 760 MPa
- Yield Strength: 345 Mpa
- Application: Oil Well Equipment And Piping Systems
- Highlight: 75B Nickel Spray Wire, Nickel Spray Wire NiAl955, Ni95al5 arc spray wire



### More Images



### Product Description

#### Introduction:

Inconel 625 is a nickel-based alloy with excellent corrosion resistance and high-temperature strength, making it ideal for use in the oil and gas industry. Its wide application in this industry covers many aspects.

Inconel 625 thermal spray wire can resist corrosion under harsh conditions such as acid gases, hydrogen sulfide, acidic solutions, etc., so it is widely used in refineries, chemical plants and natural gas processing units. It is used to manufacture key equipment such as heating furnace pipes, petroleum refining towers, heat exchangers and reactors, ensuring the safety and stability of the production process.

#### 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:

Good corrosion resistance: Inconel 625 has excellent corrosion resistance and has excellent resistance to a variety of corrosive media (such as acids, alkalis, salts, etc.).

High-temperature stability: This alloy can maintain excellent mechanical properties and oxidation resistance in high-temperature environments, and is suitable for work in high-temperature stress environments.

Antioxidation: Inconel 625 has good antioxidant properties and can maintain stable performance in high-temperature oxidizing environments.

#### Application:

Oil extraction: Inconel 625 is widely used in oil well equipment and pipeline systems in the petroleum industry, such as wellbore linings, valves, pump components, etc., to resist corrosion from acidic, alkaline media and high-temperature and high-pressure environments.

Natural Gas Processing: This alloy is used in key equipment in the field of natural gas processing, such as furnace tubes, heat exchangers, catalyst tubes and steam generators. It can withstand the erosion of high temperature and pressure, corrosive gas and acidic media.

Petrochemical industry: Inconel 625 is widely used in petrochemical processes, such as reactors, distillation towers, catalyst tubes, heaters and other equipment to resist the erosion of high temperature, high pressure and corrosive media.

**Size range Wire: 0.8mm 1.2mm 1.6mm 2.4mm 3.2mm.**



#### Package:

Products are generally supplied in standard cardboard boxes, pallets, wooden boxes. Special packaging requirements can also be accommodated. (also depend on the customers' requirements)

For the Thermal spray wires, we wind small size wire less than 1.6mm wires on spools. Bigger size over than 2.4mm in coils. Then put spools into cartons, Then put the cartons onto pallet or wood box.

#### Our Services:

- 1) Free sample could be supplied for testing purpose.
- 2) Customized lable, packing, OEM service.
- 3) Mill test certificate will be provided after production.
- 4) Good packing methods to keep goods statable.

#### Q&A:

What are the advantages of Inconel 625 in oil extraction?

Inconel 625 has excellent corrosion resistance and high temperature stability. It is suitable for wellbore linings, valves and other equipment in oil production. It can resist corrosion from acidic, alkaline media and high temperature and high pressure environments.

What are the applications of Inconel 625 in natural gas processing?

Inconel 625 is used in equipment such as furnace tubes, heat exchangers, catalyst tubes and steam generators in natural gas processing. It can withstand the erosion of high temperature and pressure, corrosive gases and acidic media.

What are the specific applications of Inconel 625 in petrochemical industry?

Inconel 625 is widely used in petrochemical processes, such as reactors, distillation towers, catalyst tubes, heaters and other equipment to resist the erosion of high temperature, high pressure and corrosive media.



Changzhou Victory Technology Co., Ltd

