



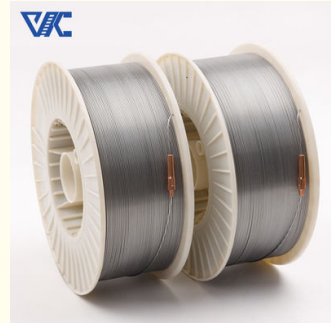
## Standard Welding Nickel Alloy Incoloy 925 926 825 800 Wire Per Kg Nickel Wire

Our Product Introduction

for more products please visit us on [victory-alloy.com](http://victory-alloy.com)

### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: ERNiCrMo-3, ERNiCrMo-4, ERNiCrMo-13, ERNiCrFe-7, ERNiCr-3
- Minimum Order Quantity: 15
- 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

- Material: Ni, Mo, Cr
- Elongation:  $\geq 22\%$
- Density: 8.60 G/cm<sup>3</sup>
- Tensile Strength Rm N/mm<sup>2</sup>:  $\geq 600$
- Yield strength R P0.2 N/mm<sup>2</sup>:  $\geq 360$
- Melting Point: 1310-1360°C
- Certificates: AWS A5.14 / ASME SFA A5.14
- Highlight: Welding Nickel Alloy Incoloy 925, Incoloy 800 Wire



### More Images



### Product Description

This is a series of welding wire products including ERNiCrMo-3, ERNiCrMo-4, ERNiCrMo-13, ERNiCrFe-3, ERNiCrFe-7, ERNiCr-3, ERNiCr-7, ERNiCu-7 and ERNi-1. These welding wires are commonly used for welding alloy steels, stainless steels, nickel alloys and copper alloys. They offer excellent corrosion resistance, high temperature strength and good welding properties, making them suitable for a variety of welding applications, including the aerospace, chemical, petroleum and energy industries. These welding wire products can provide stable arc and good metal transfer during the welding process, help obtain high-quality welds, and maintain good mechanical properties and corrosion resistance of the welded joints. Whether in high temperature environments or corrosive media, these products provide reliable welding solutions.

#### Chemical Properties

Our Product Introduction

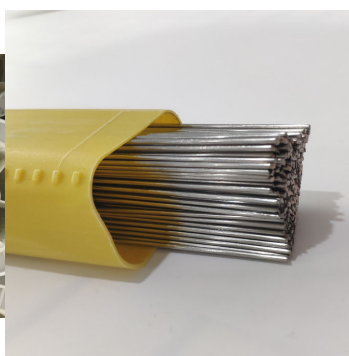
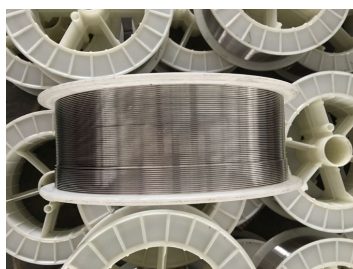
|           |            |      |           |        |       |
|-----------|------------|------|-----------|--------|-------|
| C         | Si         | Mn   | Cr        | P      | Ni    |
| ≤0.01     | ≤0.2       | ≤0.5 | 22.0-24.0 | ≤0.015 | Rem   |
| Al        | Mo         | Fe   | Cu        | S      | Co    |
| 0.10-0.40 | 15.0-16.50 | ≤0.5 | ≤0.1      | <0.01  | <0.20 |

#### Typical Welding Parameters

| Diameter |      | Process | Volt  | Amps (flat) | Amps (V/OH)              |
|----------|------|---------|-------|-------------|--------------------------|
| inch     | (mm) |         |       |             |                          |
| 0.035    | 0.9  | GMAW    | 26-29 | 150-190     | Spray Transfer 100% Argo |
| 0.045    | 1.2  | GMAW    | 28-32 | 180-220     | Spray Transfer 100% Argo |
| 1/16     | 1.6  | GMAW    | 29-33 | 200-250     | Spray Transfer 100% Argo |
| 1/16     | 1.6  | GTAW    | 14-18 | 90-130      | 100% Argon               |
| 3/32     | 2.4  | GTAW    | 15-20 | 120-175     | 100% Argon               |
| 1/8      | 3.17 | GTAW    | 15-20 | 150-220     | 100% Argon               |

|                                               |             |         |
|-----------------------------------------------|-------------|---------|
| Tensile Strength                              | 109 Ksi     | 790 MPA |
| Yield Strength                                | 68 Ksi      | 470 MPA |
| Elongation                                    | 40-45%      |         |
| Density g/cm3                                 | 8.60 g/cm3  |         |
| Melting Point °C                              | 1300-1360°C |         |
| Coefficient of Expansion. 21-93 Co, μm/m * Co | 11.90       |         |

| Item  | ERNiCrMo-3 | ERNiCrMo-4 | ERNiCrMo-13 | ERNiCrFe-7 | ERNiCr-3  | ERNiCu-7 | ERCuNi  |
|-------|------------|------------|-------------|------------|-----------|----------|---------|
| C     | 0.1        | 0.02       | 0.01        | 0.04       | 0.1       | 0.15     | 0.03    |
| Mn    | 0.05       | 1          | 0.5         | 1          | 2.5-3.5   | 4        | 0.5-1.0 |
| Fe    | 5          | 4-7        | 1.5         | 7-11       | 3         | 2.5      | 0.65    |
| P     | 0.02       | 0.04       | 0.015       | 0.02       | 0.03      | 0.02     | 0.01    |
| S     | 0.015      | 0.03       | 0.005       | 0.015      | 0.015     | 0.015    | 0.01    |
| Si    | 0.05       | 0.08       | 0.1         | 0.5        | 0.5       | 1.25     | 0.15    |
| Cu    | 0.5        | 0.5        | N/A         | 0.3        | 0.5       | rest     | rest    |
| Ni    | ≥58        | rest       | rest        | rest       | ≥67       | 62-69    | 30-32   |
| Co    | N/A        | 2.5        | 0.3         | N/A        | N/A       | N/A      | N/A     |
| Al    | 0.4        | N/A        | 0.1-0.4     | 1.1        | N/A       | 1.25     | 0.15    |
| Ti    | 0.4        | N/A        | N/A         | 1          | 0.75      | 1.5-3    | 0.5     |
| Cr    | 20-23      | 14.5-16.5  | 22-24       | 28.5-31    | 18.0-22.0 | N/A      | N/A     |
| Nb+Ta | 3.5-4.15   | N/A        | 1.8-2.5     | 0.01       | 2.0-3.0   | N/A      | N/A     |
| Mo    | 8.0-10     | 15-17      | 15-16       | 0.5        | N/A       | N/A      | N/A     |
| V     | N/A        | 0.35       | N/A         | N/A        | N/A       | N/A      | N/A     |
| W     | N/A        | 3-4.5      | N/A         | N/A        | N/A       | N/A      | N/A     |
| Rest  | ≤0.50      | ≤0.50      | ≤0.50       | ≤0.50      | ≤0.50     | ≤0.50    | ≤0.50   |





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