



99.6%/Ni200/Ni201 Pure Nickel Stranded Alloy Wire

Our Product Introduction

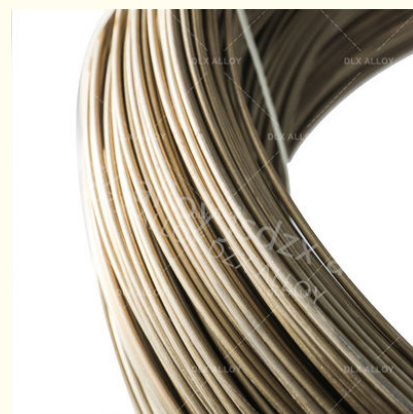
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001,ROHS
- Model Number: N4,N6,Ni200,Ni201
- Minimum Order Quantity: 1KG
- Price: 5 - 99 kilograms US\$45.00
- Packaging Details: Spool package with Carton box, Coil package with polybag,
- Delivery Time: 7-25 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Pure Nickel Wire
- Grade: N4,N6,Ni200,Ni201
- Material: Ni
- Elongation (\geq %): 35%
- Ni(min): 99%
- Shape: Wire
- Size: 0.025-10mm
- Ultimate Strength (\geq MPa): 462
- Resistance ($\mu\Omega\cdot m$): 15
- Melting Point: 1435-1446°C
- Tensile Strength Ksi (min): 462
- Hardness: S,1/4H,1/2H,3/4H,H
- Application: Industry,Electronic
- M.O.Q: 1KG
- Delivery: 7-25 Days



More Images



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Product Description

Introduction:

1. Pure nickel wire exhibits excellent ductility and malleability, allowing it to be easily shaped and formed into intricate designs.
2. Its versatility enables applications in jewelry making, crafting, and precision instrumentation, where fine wirework or precise temperature sensing is required.
3. Pure nickel wire stands as a trusted material in various industries, offering corrosion resistance, electrical conductivity, and versatility.
4. Its exceptional properties make it an indispensable component in numerous applications, from electronics to artistic creations.

Specification:

Grade	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe
N4	99.9	≤0.015	≤0.03	≤0.002	≤0.01	≤0.01	≤0.001	≤0.001	≤0.04
N6	99.5	0.10	0.10	0.05	0.10	0.10	0.005	0.002	0.10
Ni201	≥99.9	≤0.25	≤0.35	≤0.35	≤0.02	/	≤0.01	/	≤0.40
Ni200	≥99.6	≤0.25	≤0.35	≤0.35	≤0.15	/	≤0.01	/	≤0.40

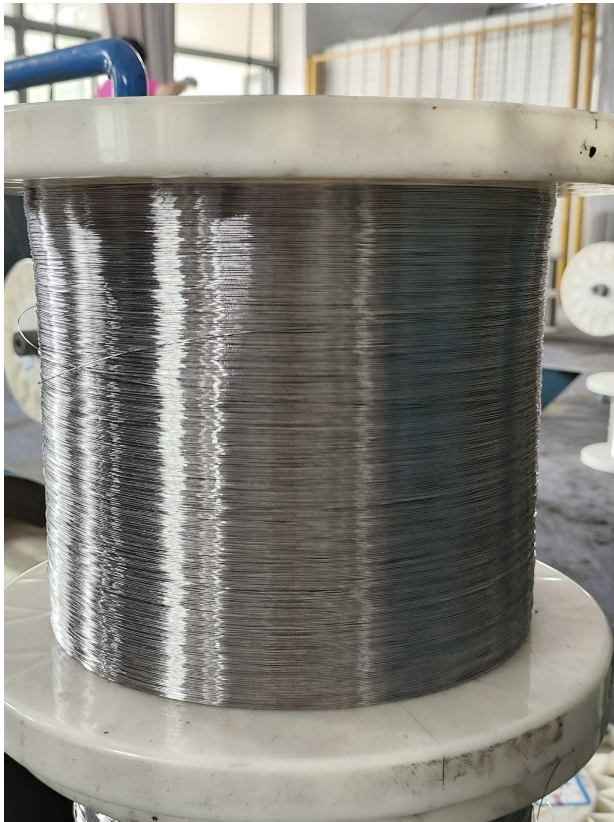
Physical Data	
Density	8.89g/cm ³
Specific Heat	0.109(456 J/kg.°C)
Electrical Resistivity	0.096×10 ⁻⁶ ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10 ⁻⁶ m/m.°C
Typical Mechanical Properties	
Mechanical Properties	Nickel 200
Tensile Strength	462 Mpa
Yield Strength	148 Mpa
Elongation	47%

Applications:

1. **Electronics:** Pure nickel wire is used in electronics for applications such as electrical connections, circuitry, and soldering. Its high electrical conductivity and corrosion resistance make it suitable for use in components like resistors, connectors, and printed circuit boards.
2. **Heating Elements:** Pure nickel wire is often utilized as a heating element in applications such as electric furnaces, heating coils, and industrial heaters. Its high temperature stability and electrical resistance properties make it an ideal choice for generating controlled and efficient heat.
3. **Aerospace and Aviation:** Pure nickel wire finds applications in the aerospace and aviation industries due to its high temperature stability, corrosion resistance, and reliability. It is used in components like temperature sensors, strain gauges, and control systems for aircraft and spacecraft.
4. **Chemical Processing:** The corrosion resistance of pure nickel wire makes it suitable for use in chemical processing equipment and environments. It is used in applications such as chemical reactors, electroplating, and catalysts where resistance to corrosive substances is crucial.



Shape	Size(mm)
Wire	0.025-10
Ribbon	(0.05-0.2)*(0.5-6)
Strip	(0.05-0.5)*(5-200)



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