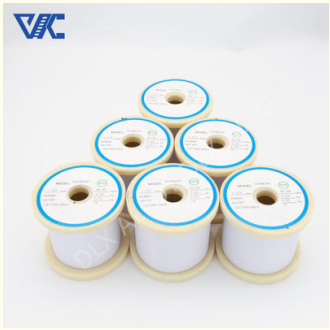
Electric Ni80 Nickel Chromium Resistance Alloy Nichrome 2080 Heating Wire For Furnace

Our Product Introduction

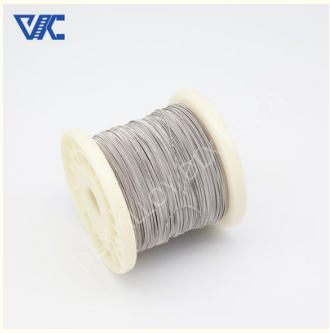
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE
- Model Number: Cr20Ni80
- Minimum Order Quantity: 5
- Packaging Details: Spool package with Carton box, Coil package with polybag for Resistance wire
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Material: Nickel, Chromium
- Nickel(Min): 77%
- Resistivity: 1.09+/-0.05
- Tensile Strength: 637MPA
- Elongtation: ≥20%
- Application: Heating, Resistivity
- Condition: Hard / Soft
- Sureface: Bright, Oxided, Acide
- Delivery Time: 7-20 Days
- Name: Resistance Wire
- Highlight: **Cr15Ni60 Nichrome Alloy**, **Nichrome Alloy Cr30Ni70**, **Cr20Ni80 nickel chromium resistance wire**



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Our Product Introduction

Product Description

NiCr Series

Nichrome wire is a type of alloy that is composed primarily of nickel, chromium, and iron. One of the key properties of nichrome wire is its high resistivity, which means that it is able to resist the flow of electrical current. Another important feature of nichrome wire is its good oxidation resistance, which allows it to withstand high temperatures and prevents it from corroding over time.

In addition to its high resistivity and good oxidation resistance, nichrome wire also has excellent ductility after use and weldability. This means that it can be easily shaped and formed into various shapes and sizes, and can be easily welded together to form larger structures.

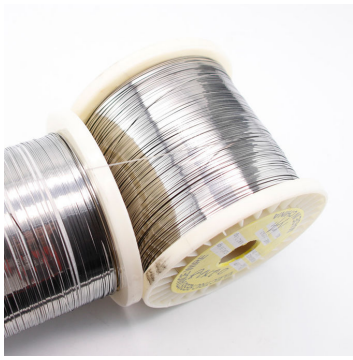
Given these properties, nichrome wire is widely used in a variety of applications. It is commonly used to manufacture heating elements for laboratory and industrial electric furnaces, as well as various electrical devices that require thermal action, such as heat guns and industrial hair dryers. Nichrome wire is also used in water heating systems, high-value electrical resistors, heating cords, and cables.

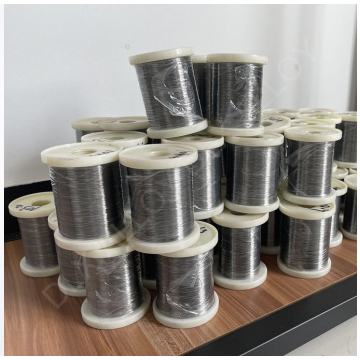
Overall, nichrome wire is a versatile and reliable material that is essential in many industries. Its unique combination of properties makes it an ideal choice for applications that require high-temperature resistance, electrical resistance, and ductility.

Size dimension range:
Wire: 0.01-10mm
Ribbons: 0.05*0.2-2.0*6.0mm
Strip: 0.05*5.0-5.0*250mm
NiCr series: Cr20Ni80, Cr30Ni70, Cr15Ni60, Cr20Ni35, Cr20Ni30

Performance material		Cr10Ni90	Cr20Ni80	Cr30Ni70	Cr15Ni60	Cr20Ni35
Composición	Ni	90	Rest	Rest	55.0 61.0	34.0 37.0
	Cr	10	20.0 23.0	28.0 31.0	15.0 18.0	18.0 21.0
	Fe		≤1.0	≤1.0	Rest	Rest
Temperatura máxima°C		1300	1200	1250	1150	1100
Punto de fusion °C		1400	1400	1380	1390	1390
Densidad g/cm3		8.7	8.4	8.1	8.2	7.9
Resistividad μΩ·m,20°C		0.76±0.05	1.09±0.05	1.18±0.05	1.12±0.05	1.00±0.05
Alargamiento a la ruptura		≥20	≥20	≥20	≥20	≥20
Calor especifico J/g.°C			0.44	0.461	0.494	0.5
Conductividad térmica KJ/m.h°C			60.3	45.2	45.2	43.8
Coeficiente de expansión de líneas a×10-6/(20 1000°C)			18	17	17	19
Estructura micrográfica			Austenite	Austenite	Austenite	Austenite
Propiedades magnéticas			Nonmagnetic	Nonmagnetic	Nonmagnetic	Weak magnetic

Form	Specification	
Wire	Diameter=0.025mm~8mm	
Flat wire	Width=0.40~6.0mm	Thick=0.03~0.50mm
Strip	width=8~250mm	Thick=0.05~3.0mm
Bar	Diameter=8~100mm	Long=50~1000





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