



# 【NiCr Heat Treatment Cable】



## DESCRIPTION

Our NiCr Heat Treatment Cable (Nichrome Wire) is a premium nickel chromium alloy heating wire, ideal for industrial heat treatment and electric furnace heating elements. Main grades include Cr20Ni80, Cr15Ni60, Cr20Ni30, with high resistivity (1.04 – 1.18  $\mu \cdot m$ ) and excellent oxidation resistance. Max continuous temperature up to 1200°C, melting point ~1400°C. Features stable resistance, high tensile strength, good ductility, and long service life. Widely used in industrial furnaces, ovens, heating tubes, and thermal processing equipment.

## PARAMETER

Alloy Grade	Cr20Ni80 (Ni80Cr20), Cr15Ni60 (Ni60Cr15), Cr20Ni30 (Ni70Cr30)
Diameter	0.02 – 12 mm (round wire); flat wire/strip available
Resistivity (20°C)	1.04 – 1.18 $\mu \cdot m$
Density	7.9 – 8.4 g/cm <sup>3</sup>
Max Continuous Temp	1100 – 1200°C
Melting Point	~1400°C
Tensile Strength	≥650 MPa
Elongation	≥20%
Application	Industrial furnaces, heat treatment, oven elements, heating tubes
Certification	ISO, CE, ASTM B344, DIN 17470