

Nickel Chromium (Nichrome) is an alloy commonly used as wire in heating applications for tools and appliances, hot-wire foam cutters, and electronic cigarette coils. It offers excellent temperature ratings and is silver in color. Nichrome wire is corrosion resistant and is available in many sizes and alloy variations.

Remington Industries is proud to offer our Nichrome 80 Resistance Wire. This uninsulated wire is nominally composed of 80 percent nickel & 20 percent chromium, and meets ASTM B267 standards for resistance wire. Our nichrome wire has an appreciable temperature rating of 1177°C (2150°F), is corrosion resistant, and resists oxidation even at high temperatures. This resistance wire is suitable for use in heater wire applications (such as toasters) and cutting wire applications (such as foam rubber cutters). Remington Industries offers nichrome wire in a broad range of wire gauges (from 14 to 32 AWG) to meet the specifications you require. We additionally provide this wire in several spool sizes (see below) for your convenience.

- Type: Resistance Wire
- Material: Nichrome 80 Alloy (nom. 80% Ni, 20% Cr)
- Color: Silver
- Specification: ASTM B267
- Temperature Rating: 1177°C (2150°F)
- Spool Sizes Available: 25 ft, 100 ft, 250 ft, 500 ft, 1000 ft, 2500 ft, 5000 ft

PART NUMBER	WIRE GAUGE	OVERALL DIAMETER	WIRE RESISTANCE
14N80	14 AWG	0.0641"	0.1582 Ω/ft
16N80	16 AWG	0.0510"	0.2519 Ω/ft
18N80	18 AWG	0.0400"	0.4002 Ω/ft
20N80	20 AWG	0.0320"	0.6348 Ω/ft
22N80	22 AWG	0.0253"	1.0150 Ω/ft
24N80	24 AWG	0.0201"	1.6089 Ω/ft
26N80	26 AWG	0.0159"	2.5711 Ω/ft
28N80	28 AWG	0.0126"	4.0942 Ω/ft
30N80	30 AWG	0.0100"	6.5000 Ω/ft
32N80	32 AWG	0.0080"	10.1560 Ω/ft

## Nickel Chromium Resistance Wire Nichrome 80 Data Sheet

### Remington Industries is proud to offer our Custom Wire Services

Our exclusive inventory of in-stock wire and ability to procure wire of all kinds makes us the perfect partner for wire purchasing and custom wire services. We are proud to provide essential, high quality wire for engineering projects, educational science projects, coil winding, and electronics applications.

Some of our many wire services include the following:

- Wire Re-Packaging
- Bifilar & Trifilar Windings
- Wire Processing
- Coil Winding
- Wire Procurement Services

If you have any questions or need any information about our [Wire Services](#), feel free to contact us! It only takes one call to get experienced assistance.

**Contact us by phone:**  
**(815) 385-1987**

**Contact us by email:**  
[sales@remingtonindustries.com](mailto:sales@remingtonindustries.com)

DATE | ISS. | REVISION | BY

Drawn by: AG 1/30/20  
Drawing rev.: --

**Remington**  
Industries

3521 N. Chapel Hill Rd  
Johnsburg, IL 60051 USA  
[remingtonindustries.com](http://remingtonindustries.com)