



# Nichrome N80 Resistance Wire Packs

Argus Heating stock a large range of resistance wire, including Nichrome N80.

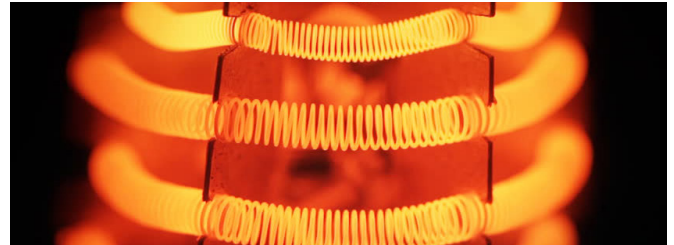
The most common of the four sizes of N80 are available in a range of conveniently pre-packed bags in 5m, 10m, 20m, and 30m lengths.

Wire can be cut and re-reeled if you require longer lengths (over 30m). Kanthal A1 and D are also available on request.

## Applications

Typically used in:

- Polystyrene cutting
- Foam cutting
- Electric heaters
- Composite curing
- Electric furnaces
- Freeze protection
- Styrofoam cutting
- Plastic film cutting
- Night store heaters
- Cartridge heaters
- Wind turbines
- Heated hoses



## Features

- N80 is mechanically stronger with better wet corrosion resistance than Kanthal A1 or D.
- High emissivity — lower element temperature for same surface load.
- Non-magnetic — ideal for low temperature applications.
- Ductile after continued use — approximately 30% elongation when hot.
- 1200°C maximum continuous operating temperature, 1400°C melting point.

## Construction

- Alloy: 80% Nickel and 20% Chromium.

Wire size (B&S)	Diameter (mm)	Resistance (ohms/m)	Maximum current @110°C (amps)	Stock codes for packs of N80 resistance wire cut to length			
				5m	10m	20m	30m
18	1.016	1.33	22.4	RWN80P18G5M	RWN80P18G10M	RWN80P18G20M	RWN80P18G30M
20	0.813	2.08	16.1	RWN80P20G5M	RWN80P20G10M	RWN80P20G20M	RWN80P20G30M
22	0.643	3.32	11.5	RWN80P22G5M	RWN80P22G10M	RWN80P22G20M	RWN80P22G30M
24	0.511	5.26	8.2	RWN80P24G5M	RWN80P24G10M	RWN80P24G20M	RWN80P24G30M

Please contact Argus Heating to discuss your application and heating needs.