



## Resistance Wire

Argus Heating stock and distribute a large range of resistance wire and ribbon, including Nichrome N80, and Kanthal A1 and D.

Heating elements for industrial furnaces, kilns, and electric heating appliances can also be designed and manufactured. Longer lengths of resistance wire (more than 30m) can be cut and re-reeled to suit your requirements.

The selection of Nichrome or Kanthal wires should be based on the particular application. Contact us for assistance with the correct selection.

### Applications

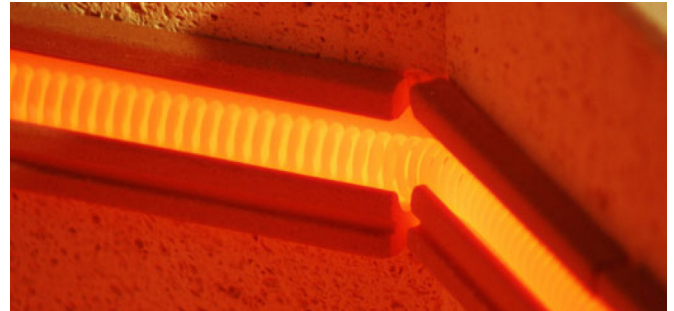
Typically used in:

- Plastic film cutting
- Styrofoam cutting
- Industrial furnaces
- Pottery kilns
- Heated hoses
- Wind turbines
- Polystyrene cutting
- Foam cutting
- Electric kilns
- Electric heaters
- Night store heaters
- Cartridge heaters

### Features

#### Nichrome N80

- Mechanically stronger than Kanthal A1 or D.
- High resistivity.
- Non-magnetic ideal for low temperature applications.
- Remains ductile after continued use and has better wet corrosion resistance than other wire types.
- 1200°C maximum continuous operating temperature.
- 80% Ni, 20% Cr



#### Kanthal A1

- Maintains shape at high temperature.
- Longer life (2-4 times).
- Better resistance for sulphur and oxidising atmospheres.
- Highest resistivity — lightest material for given power.
- 1400°C maximum continuous operating temp.
- 22% Cr, 5.8% Al, 72.4% Fe

#### Kanthal D

- Maintains shape at high temperature.
- Long life.
- Higher resistivity — lighter material for given power.
- 1300°C maximum continuous operating temp.
- 22% Cr 4.8% Al 73.4% Fe

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