

# GlobeHeat Datasheet : Product Code GHT 9201



## Product Description: Nickel Chrome (NiCr) 80/20, 37 Strand Heater Core Wire, 500m roll

Heater core wire for the repair and manufacture of ceramic pad heating elements.

### Applications

For heat treatment applications where the ceramic pad heating elements are required to operate at temperatures up to 1050°C.

Specification	
Core wire material	80/20 Nickel Chrome (NiCr)
Construction	37 Strand wire made up of 36 x 0.381 mm diameter strands over 1 x 0.508 king wire
Resistance	0.248 to 0.302 $\Omega$ per m
Unit of measure	500m roll
Weight of 500m roll	21kg
Nominal chemical composition	Ni:80, Cr:20%
Thermal conductivity at 800°C	15 W m <sup>-1</sup> K <sup>-1</sup>
Melting point	1400°C
Recommend maximum operating temperature	1050°C
Electrical resistivity at 20°C $\Omega$	108 $\Omega$ /cm
Thermal Expansion at 20°C to 750°C	17.5 x 10 <sup>-16</sup> K

