

# Copper Nickel Alloys



## CuNi44 / 2.0842 / C72150

Version 2

Reference standard: DIN 17471

Symbol	Element	Cu	Ni	Density g/cm <sup>3</sup>
CuNi44	Min %	-	-	8.9
	Max %	Bal	44	

### Physical Properties:

- Resistivity (soft): 0.50 ( $\Omega \times \text{mm}^2/\text{m}$ )
- Temperature coefficient of resistance: 0.00004 1/K
- Conductivity soft (MS/m): 2
- Elongation at soft temper: >25%
- Tensile strength soft: 500 N/mm<sup>2</sup>

### Size Tolerances:

<0.25mm	$\pm 0.005\text{mm}$
0.25-0.50mm	$\pm 0.008\text{mm}$
0.50-1.00mm	$\pm 0.012\text{mm}$
1.00-2.00mm	$\pm 0.02\text{mm}$
2.00-4.00mm	$\pm 0.03\text{mm}$

### Typical applications:

- Resistance wire



Chaplin Bros. (Birmingham) Limited  
Reddicap Trading Estate  
Sutton Coldfield  
West Midlands  
B75 7BU, England

Tel: +44(0)121 378 0565  
Email: [sales@chaplinwire.com](mailto:sales@chaplinwire.com)  
[www.chaplinwire.com](http://www.chaplinwire.com)

