

# Copper Nickel Alloys

## CuNi15

Version 2

Symbol	Element	Cu	Ni	Density g/cm <sup>3</sup>
CuNi15	Min %	-	-	8.9
	Max %	Bal	15	

### Physical Properties:

- Resistivity (soft): 0.2041 ( $\Omega \times \text{mm}^2/\text{m}$ )
- Temperature coefficient of resistance: 0.035%/K)
- Conductivity soft (MS/m): 5
- Elongation at soft temper : >25%
- Tensile strength soft: 360 N/mm<sup>2</sup>

### Size Tolerances:

<0.25mm	±0.005mm
0.25-0.50mm	±0.008mm
0.50-1.00mm	±0.012mm
1.00-2.00mm	±0.02mm
2.00-4.00mm	±0.03mm

### 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)

