

# Copper

## C103 / CW008A

Version 4

Reference standard: EN 13601

Symbol	Number	Element	Cu	Ag	Bi	O	P	Pb	Other	Density g/cm <sup>3</sup>
C103	CW008A	Min %	99.95	-	-	-	-	-	-	8.9
		Max %	-	-	0.0005	-	-	0.005	0.03	

Single bare Oxygen-free Copper wire, manufactured in round, square and flat sections.

Typical Tensile Strength N/mm <sup>2</sup>			
Soft	¼ Hard	½ Hard	Hard
220-270	270-300	300-400	370min

### Physical Properties:

- Resistivity: 0.0172 ( $\Omega \times \text{mm}^2/\text{m}$ )
- Melting Point °C: 1083
- Elongation at soft temper: >30%

### 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:

- Oxygen free copper is commonly used in applications requiring high electrical conductivity, high thermal conductivity and corrosion resistance.
- Suitable for conductivity in vacuum applications.
- Chemical and petrochemical equipment.
- Medical equipment.



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