Copper

C103 / CW008A

Version 4

Reference standard: EN 13601

Symbol	Number	Element	Cu	Ag	Bi	ο	Р	Pb	Other	Density g/cm ³
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/mm2									
Soft	'∕₄ Hard	½ Hard	Hard						
220-270	270-300	300-400	370min						

Physical Properties	
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• Resistivity: 0.0172 (Ω x mm²/m)

- Melting Point °C: 1083
- Elongation at soft temper: >30%

Tolerances:<0.25mm</td>±0.005mm0.25-0.50mm±0.008mm0.50-1.00mm±0.012mm1.00-2.00mm±0.02mm2.00-4.00mm±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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