

Copper Nickel Alloys



CuNi23Mn / 2.0881 / C71100

Version 2

Reference standard: DIN 17471

Symbol	Element	Cu	Ni	Mn	Density g/cm ³
CuNi23Mn	Min %	-		-	8.9
	Max %	Bal	23	1.5	

Physical Properties:

- Resistivity (soft): 0.2941 ($\Omega \times \text{mm}^2/\text{m}$)
- Temperature coefficient of resistance: 0.025%/K)
- Conductivity soft (MS/m): 3.4
- Elongation at soft temper: >25%
- Tensile strength soft: 450 N/mm²

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



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