

Brass Spooled Wire (Cu63/Zn37)

Formula: Cu63/Zn37

Product Shape: Spooled

Diameter: 0.125mm

Length: 100m

Temper: Hard

UOM Code: 036-832-46

SKU: 1000004908-group

Product Code: CU02-WR-000130

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	65-136
Elongation at break(%)	55
Modulus of elasticity(GPa)	95-110
Shear strength(MPa)	280-310
Tensile strength(MPa)	330-500

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	6.2-6.6
Temperature coefficient(K^{-1})	0.0016-0.0017

Thermal Properties

Element	Value
Melting point(C)	900-920
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	125@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	19-20.5@20-100°C

Physical Properties

Element	Value
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Density(gcm³) 8.45