

Brass Spooled Wire (Cu70/Zn30)

Formula: Cu70/Zn30

Product Shape: Spooled

Diameter: 0.6mm

Length: 1m

Temper: As Drawn

UOM Code: 028-151-74

SKU: 1000003457-group

Product Code: CU08-WR-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	65-160
Elongation at break(%)	65
Modulus of elasticity(GPa)	100-115
Izod impact strength(J m ²)	50-90
Shear strength(MPa)	200-400
Tensile strength(MPa)	300-700

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	6.2-7.8
Temperature coefficient(K ⁻¹)	0.0012-0.0016

Thermal Properties

Element	Value
Melting point(C)	910-965
Thermal conductivity(W m ⁻¹ K ⁻¹)	109-121@23°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	19-20@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	8.55