



PO Box 217
 Leander, TX 78646-0217
 USA
 800-621-9598
www.glemco.com
sales@glemco.com

Conductor: C36000 Brass

Physical Properties	Metric	English	Comments
Density	8.49 g/cc	0.307 lb/in ³	at 20°C (68°F)
Mechanical Properties			
Tensile Strength, Ultimate	338 - 469 MPa	49000 - 68000 psi	
Tensile Strength, Yield	124 - 310 MPa	18000 - 45000 psi	Depending on temper
Elongation at Break	53 %	53 %	in 457.2 mm.
Modulus of Elasticity	97 GPa	14100 ksi	
Poisson's Ratio	0.31	0.31	Calculated
Machinability	100 %	100 %	UNS C36000 (free-cuttingbrass) = 100%
Shear Modulus	37 GPa	5370 ksi	
Thermal Properties			
CTE, linear 250°C	20.5 µm/m-°C	11.4 µin/in-°F	from 20-300°C (68-570°F)
Thermal Conductivity	115 W/m-K	798 BTU-in/hr-ft ² -°F	at 20°C (68°F)
Melting Point	885 - 900 °C	1630 - 1650 °F	
Solidus	885 °C		1630 °F
Liquidus	900 °C		1650 °F