



# ALLOY C655

**Copper: Bal, Silicon 3.0%, Mn 0.9%, Zn 1.5%max, Fe: 0.8%max. Other 1.0%**

C65500 is a high strength silicon bronze alloy which utilizes alloying elements that create strength with lower metal value and reduced density which means you get more parts per dollar of material.

The alloy has excellent, non-directional bend performance through H040 temper allowing you to achieve better part layout and as a result better scrap rates than competing alloys which display a strong bad-way direction anisotropy.

The alloy can be plated and soldered with proper activators and fluxes and has been produced commercially for over 50 years.

The alloy became popular for electrical and pole line hardware as well as terminals and contacts. Enhanced performance and controlled total system costs – Available and supported through the PMX Alliance... That's the PMX Difference.

Contact your PMX representative at 1-800-531-5268 or email us at sales@ipmx.com.

Material Properties	
Density:	0.308 lb/cu.in.
Modulus:	15,000,000 psi
Thermal Conductivity	
Btu/sq.ft/hr./ °F @ 68°F	21
Electrical Conductivity	7% IACS
ASTM B96-01	

Temper	Tensile Strength (ksi)	Yield Strength (ksi)	%IACS	90° GW/BW Bends
H010	68	62	7	0/0
H020	78	72	7	0/0
H040	89	82	7	1/1
H060	105	99	7	2.5/2.5
H080	110	103	7	3/4

*Details released herein are believed to be accurate at the time of issue and are considered for general information only. Use of this information is to be at the consumer's discretion.*



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