

Some Properties of Cu Alloys

The following table lists just a few of the existing **Cu** based alloys for specific uses.

Illustration

Alloy	Essential Advantage	σ 10^{-4} S/cm^1	Uses
Cu + 0,2% Ag	relatively hard	57	Collector lamellae
Cu + 0,5% Te	easy machinable	55	precision parts
Cu + 1,2% Cd	high strength	52	Overhead wires for trains
Cu + 0,6% Cr	can be hardened	48	Welding electrodes
Cu + 1,7% Be	can be hardened	18	Contact springs

¹⁾ **S = Siemens = $1/\Omega$**