

Electronics – In Contact with High Tech

Type of alloy EN/ISO designation *	Alloy number EN ASTM		Swissmetal designation Bolliet plant Dornach plant		Typical strength (N/mm ²)	Conductivity (% IACS)
Special low-alloy copper grades in rods and wires						
CuPb1P		C18700	C99		200–400	> 85
CuTeP	CW118C	C14500	C42		200–400	> 90
CuNi1Pb1P		C19160	C97		550–700	> 50
CuNi1PbP		C19140	C98		550–770	> 50
Leaded brass in rods, wire or sections						
CuZn39Pb3	CW614N	C38500	58F	Ms58Pb	380–600	28
CuZn36Pb3	CW603N	C36000	61A	Ms62Pb	380–600	28
CuZn35Pb2	CW601N	C34500	62A	Ms63Pb	320–550	26
CuZn9Pb2		C31400	90A	Ms89Pb	270–410	42
Tailored for elasticity and corrosion resistance						
CuSn5Pb1	CW458K	C53400	BP5		500–800	20
CuSn4Pb4Zn4	CW456K	C54400	BZ4		500–800	19
The most recent products approaching the mechanical properties of Beryllium copper and offering better machinability						
CuSn13Pb0.5		C53800	B05	B05	800–1000	9
CuZn16Si2Pb1		C69750	PS2	PS2	800–1000	9.5

* ISO designations are given for alloys not covered by EN standards.