

Technical Data Copper-Zinc Alloys¹⁾

		Brass			
		CuZn15	CuZn20	CuZn30	CuZn37
Material - No.	DIN / EN	CW502L	CW503L	CW505L	CW508L
	UNS	C23000	C24000	C26000	C27400
Nominal Composition	[%]	15 Zn Rest Cu	20 Zn Rest Cu	30 Zn Rest Cu	37 Zn Rest Cu
Conductivity²	[m/(Ohm mm ²)]	21,5	18,8	16	15,1
Conductivity²	[% IACS]	37	32	28	26
Thermal Conductivity²	[W/(mK)]	160	140	125	120
Coefficient of Thermal Expansion³	[10 ⁻⁶ /K]	18	18	20	20
Tensile Strength annealed	[N/mm ²]	350	350	380	380
Elongation annealed	[%]	30	30	30	30
Tensile Strength hard	[N/mm ²]	600	600	720	720
Density	[g/cm ³]	8,8	8,7	8,6	8,5

1) Nominal data for diameter 0,8 mm

2) At 20° C

3) Temperature range 20 - 200° C