

Technical Data Copper-Nickel-Zinc-Alloys ¹⁾

		Nickel Silver					
		CuNi12Zn24	CuNi18Zn20				
Material - No.	DIN / EN	CW403J	CW409J				
	UNS	C75700	C76400				
Nominal Composition	[%]	12 Ni 24 Zn Rest Cu	18 Ni 20 Zn Rest Cu				
Conductivity ²⁾	[m/(Ohm mm ²)]	4,1	2,9				
Conductivity ²⁾	[% IACS]	7	5				
Thermal Conductivity ²⁾	[W/(m K)]	42	33				
Coefficient of Thermal Expansion ³⁾	[10 ⁻⁶ / K]	16	16				
Tensile Strength annealed	[N/mm ²]	460	490				
Elongation annealed	[%]	30	30				
Tensile Strength hard	[N/mm ²]	740	780				
Density	[g/cm ³]	8,7	8,8				

1) Nominal data for diameter 0,8 mm

2) At 20° C

3) Temperature range 20 - 200° C