

CuNi18Zn27 CW410J / C77000



Chemical Composition (%)	
Cu	53,0 - 56,0
Ni	17,0 - 19,0
Zn	Remainder
Mn	≤ 0,50
Fe	≤ 0,30
Sn	≤ 0,03
Pb	≤ 0,03

Coil Specifications	
Thickness (mm)	0,10 - 6,00
Width (mm)	6,00 - 350
Inside diameter (mm)	100 - 300 - 400 - 500
Outside diameter (mm)	500 - 1200
Weight (kg)	≤ 2500

Mechanical Properties						
Temper		R390 H090	R470 H120	R540 H170	R600 H190	R700 H220
Tensile Strength (N/mm ²)		390 - 470	470 - 540	540 - 630	600 - 700	700 - 800
Yield Strength (N/mm ²)		≤ 280	≥ 280	≥ 450	≥ 550	≥ 660
Elongation (%)	up to 2,5 mm	≥ 30	≥ 11	≥ 3	---	---
	over 2,5 mm	≥ 40	≥ 20	---	---	---
Hardness (HV)		90 - 120	120 - 170	170 - 200	190 - 220	220 - 250

Physical Properties				
Density (g/cm ³)	Electrical Conductivity		Thermal Conductivity (W/mK)	Modulus of Elasticity (kN/m ²)
	MS/m	%IACS		
8,70	3,3	5,7	32	135

This data sheet is a general technical product information and has no legal warranty. Binding technical features are subjected to the contract.

