

CuNi12Zn24 CW403J / C75700



Chemical Composition (%)	
Cu	63,0 - 66,0
Ni	11,0 - 13,0
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		R250 H080	R430 H110	R490 H150	R550 H170	R620 H190
Tensile Strength (N/mm ²)		360 - 430	430 - 510	490 - 580	550 - 640	≥ 620
Yield Strength (N/mm ²)		≤ 230	≥ 230	≥ 400	≥ 480	≥ 580
Elongation (%)	up to 2,5 mm	≥ 35	≥ 8	---	---	---
	over 2,5 mm	≥ 45	≥ 15	≥ 8	---	---
Hardness (HV)		80 - 110	110 - 150	150 - 180	170 - 200	≥ 190

Physical Properties				
Density (g/cm ³)	Electrical Conductivity		Thermal Conductivity (W/mK)	Modulus of Elasticity (kN/m ²)
	MS/m	%IACS		
8,67	4,4	7,6	42	125

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

