



**PROPERTIES**  
**COPPER-NICKEL**

Alloys	Density	TS* (MPa)	YS* (MPa)	A (%)	Examples of uses
<b>CuNi10Fe1Mn</b>	8.9	300-620	100-590	2-20	Excellent corrosion and erosion resistance in sea water as well as excellent bio-soiling resistance
<b>CuNi30Mn1Fe</b>	8.94	Min. 120	Min. 350	Min. 30	Excellent saline corrosion resistance and highly suitable for brazing and cold forming
<b>CuNi12Zn24</b>	8.67	360-620	230-580	8-45	Good corrosion resistance, excellent for cold working
<b>CuNi18Zn20</b>	8.75	430-550	200-460	15-40	Good corrosion resistance, good cold forming, plates, rounds, wires. Used in telecommunications.
<b>CuNi14Al3</b>	8.6	>780	>590	>10	Very good mechanical properties. Crush resistance, resistance to repeated impacts, vibrations and wear.