



Characteristics and scope of application

- This material is a corrosion resistant copper-nickel alloy with good resistance even against hot sea water at high flow velocities.

Standard designations

- DN designation CuNi30Mn1Fe
- Alloy number / UNS CW354H / C71500 (2.0882)
- Norms DIN EN ISO 12163 / ASTM B151
- Typical chemical composition Cu 69%, Ni 30%, Mn 0.7%, Fe 0.7%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
lb/in ³	°F	Ohm CMF	10 ⁻⁶ /°F 68 to 212°F
0.32	2156	241	8.1

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
61*	29*	35*

* soft annealed