



### 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 CuNi10Fe1Mn
- Alloy number / UNS CW352H / C70600 (2.0872)
- Norms DIN EN ISO 12163 / ASTM B151
- Typical chemical composition Cu 88%, Ni 10%, Fe 1.5%, Mn 0.8%

### Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm <sup>3</sup>	°C	Ohm mm <sup>2</sup> /m	10 <sup>-6</sup> /K   RT to 300°C
8.9	1145	0.19	17

### Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
360*	180*	35*

\* soft annealed