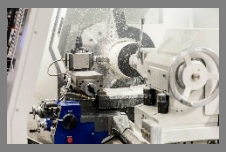
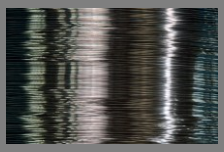
Technical Datasheet
CuNi2

Characteristics and scope of application

- This corrosion resistant material has got a very low electrical resistivity and thus is used for lowresistant resistors.
- We usually manufacture within a +/-10% tolerance of the electrical resistivity.

Standard designations

- DN designation: CuNi2
- Alloy number / UNS: 2.0802 / C70200
- Norms: DIN 17471 / ASTM B267
- Typical chemical composition: Cu 98%, Ni 2%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm³	°C	Ohm mm²/m	10^{-6}/K | RT to 100°C
8.9	1090	0.05	16.5

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
220*	-	25*

* soft annealed

Deutsche Nickel