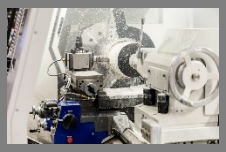
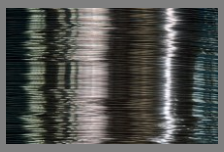
Technical Datasheet
CuNi6

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 +/-5% tolerance of the electrical resistivity.

Standard designations

- DN designation CuNi6
- Alloy number / UNS 2.0807 / C70500
- Norms DIN 17471 / ASTM B267
- Typical chemical composition Cu 94%, Ni 6%

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	1095	0.10	16

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
250*	-	25*

* soft annealed

Deutsche Nickel