



### 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
lb/in <sup>3</sup>	°F	Ohm CMF	10 <sup>-6</sup> /°F   68 to 212°F
0.32	2003	60	8.9

### Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
36*	-	25*

\* soft annealed