

bedra electronic wire CA 725 out of a special alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

## Standardization and composition

<b>Norm</b>	CuNi9Sn2
<b>DIN</b>	17664
<b>CDA UNS</b>	725
<b>Alloy composition</b>	Average values according to standard (%)
<b>Cu</b>	balance
<b>Sn</b>	2.5
<b>Ni</b>	9.0
<b>P</b>	0.05
<b>Mn</b>	0.10
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.9
<b>Melting range (°C)</b>	1060 - 1129
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	140
<b>Thermal conductivity (W / m x K)</b>	48
<b>Coefficient of linear mean expansion (10<sup>-6</sup>/K)</b>	15.8
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	6.5
<b>Electric conductivity (IACS %)</b>	~ 11
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.1538 - 0.1563