

bedra electronic wire CuAg 1 out of a highly conductive alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

## Standardization and composition

<b>DIN</b>	not standardized
<b>Alloy composition</b>	Average values (%)
<b>Cu</b>	balance
<b>P</b>	0.10
<b>Mn</b>	0.10
<b>Ag</b>	0.9
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.9
<b>Melting range (°C)</b>	1070 - 1085
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	125
<b>Thermal conductivity (W / m x K)</b>	247
<b>Coefficient of linear mean expansion (10-6/K)</b>	17.0
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	40 - 45
<b>Electric conductivity (IACS %)</b>	~ 68 - 77
<b>Resistivity (Ω x mm<sup>2</sup> /m)</b>	0.0217 - 0.0250