

bedra electronic wire BL80 out of a tin-bronze alloy for various applications (ribbon, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

## Standardization and composition

<b>Norm</b>	CuSn8
<b>DIN</b>	17662
<b>EN DIN 12166</b>	CW 453 K
<b>CDA UNS</b>	521
<b>Alloy composition</b>	Average values according to standard (%)
<b>Cu</b>	balance
<b>Sn</b>	8.0
<b>P</b>	0.10
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.8
<b>Melting range (°C)</b>	870 - 1025
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	115
<b>Thermal conductivity (W / m x K)</b>	67
<b>Coefficient of linear mean expansion (10-6/K)</b>	18.5
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	7.0 - 7.5
<b>Electric conductivity (IACS %)</b>	~ 12 - 13
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.1250 - 0.1667