

bedra electronic wire CuMg 0.1 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>Mg</b>	0.1
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.9
<b>Melting range (°C)</b>	1080
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	~ 125
<b>Thermal conductivity (W / m x K)</b>	~ 320
<b>Coefficient of linear mean expansion (10<sup>-6</sup>/K)</b>	17.5
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	~ 47
<b>Electric conductivity (IACS %)</b>	~ 81
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.0213