

bedra electronic wire E-Cu 58 out of copper material for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.)

## Standardization and composition

<b>Norm</b>	Cu-ETP1
<b>DIN</b>	1787
<b>EN DIN 12166</b>	CW 003A
<b>CDA UNS</b>	110
<b>Alloy composition</b>	Average values according to standard (%)
<b>Cu</b>	min. 99.90

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.9
<b>Melting range (°C)</b>	1083
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	130
<b>Thermal conductivity (W / m x K)</b>	394
<b>Coefficient of linear mean expansion (10-6/K)</b>	17.3
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	58.6
<b>Electric conductivity (IACS %)</b>	~ 100
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.0171