

bedra electronic wire Ms80 out of a brass alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

## Standardization and composition

<b>Norm</b>	CuZn20
<b>DIN</b>	17660
<b>EN DIN12166</b>	CW 503 L
<b>CDA UNS</b>	240
<b>Alloy composition</b>	Average values according to standard (%)
<b>Cu</b>	80.0
<b>Zn</b>	balance
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.7
<b>Melting range (°C)</b>	970 - 1010
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	119
<b>Thermal conductivity (W / m x K)</b>	142
<b>Coefficient of linear mean expansion (10<sup>-6</sup>/K)</b>	18.8
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	17.0 - 19.0
<b>Electric conductivity (IACS %)</b>	~ 29 - 32
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.0526 - 0.0588