

bedra electronic wire Ns1775 out of a nickel silver alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

## Standardization and composition

<b>Norm</b>	CuNi18Zn27
<b>DIN</b>	17663
<b>CDA UNS</b>	770
<b>Alloy composition</b>	Average values according to standard (%)
<b>Cu</b>	55.0
<b>Zn</b>	balance
<b>Ni</b>	18.0
<b>Mn</b>	0.35
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.7
<b>Melting range (°C)</b>	1030 - 1055
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	125
<b>Thermal conductivity (W / m x K)</b>	29
<b>Coefficient of linear mean expansion (10-6/K)</b>	16.7
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	3.2
<b>Electric conductivity (IACS %)</b>	~ 5
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.3125