

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

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

Physical properties

| | |
|---|-------------|
| Density (kg/dm³) | 8.7 |
| Melting range (°C) | 1030 - 1055 |
| E-Modulus (kN/mm²) | 125 |
| Thermal conductivity (W / m x K) | 29 |
| Coefficient of linear mean expansion (10-6/K) | 16.7 |
| Electric conductivity (m / Ω x mm²) | 3.2 |
| Electric conductivity (IACS %) | ~ 5 |
| Resistivity (Ω x mm² / m) | 0.3125 |