

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