

bedra electronic wire BL80 out of a tin-bronze alloy for various applications (ribbon, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

Standardization and composition

Norm	CuSn8
DIN	17662
EN DIN 12166	CW 453 K
CDA UNS	521
Alloy composition	Average values according to standard (%)
Cu	balance
Sn	8.0
P	0.10
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.8
Melting range (°C)	870 - 1025
E-Modulus (kN/mm²)	115
Thermal conductivity (W / m x K)	67
Coefficient of linear mean expansion (10⁻⁶/K)	18.5
Electric conductivity (m / Ω x mm²)	7.0 - 7.5
Electric conductivity (IACS %)	~ 12 - 13
Resistivity (Ω x mm² / m)	0.1250 - 0.1667