

bedra electronic wire B65 out of a tin-bronze alloy for various applications (ribbon, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

Standardization and composition

Norm	CuSn6
DIN	17662
EN DIN 12166	CW 452 K
CDA UNS	519
Alloy composition	Average values according to standard (%)
Cu	balance
Sn	6.0
P	0.10
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.8
Melting range (°C)	900 - 1030
E-Modulus (kN/mm²)	115
Thermal conductivity (W / m x K)	75
Coefficient of linear mean expansion (10-6/K)	18,5
Electric conductivity (m / Ω x mm²)	8.0 - 8.5
Electric conductivity (IACS %)	~ 14
Resistivity (Ω x mm² / m)	0.1176 - 0.1250