

bedra electronic wire CuAg 0.1 out of copper material for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

Standardization and composition

Norm	CuAg0,1(OF)
DIN	17666
EN DIN 12166	CW 019A
CDA UNS	107
Alloy composition	Average values according to standard (%)
Cu	balance
Ag	0.1
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.9
Melting range (°C)	1080 - 1085
E-Modulus (kN/mm²)	127
Thermal conductivity (W / m x K)	380
Coefficient of linear mean expansion (10-6/K)	17.0
Electric conductivity (m / Ω x mm²)	54 - 56
Electric conductivity (IACS %)	~ 92 - 96
Resistivity (Ω x mm² / m)	0.0179 - 0.0185