CUAG 1

bedra electronic wire CuAg 1 out of a highly conductive alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

Standardization and composition

DIN	not standardized
Alloy composition	Average values (%)
Cu	balance
P	0.10
Mn	0.10
Ag	0.9
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.9
Melting range (°C)	1070 - 1085
E-Modulus (kN/mm²)	125
Thermal conductivity (W / m x K)	247
Coefficient of linear mean expansion (10-6/K)	17.0
Electric conductivity (m / Ω x mm²)	40 - 45
Electric conductivity (IACS %)	~ 68 - 77
Resistivity (Ω x mm² /m)	0.0217 - 0.0250