

bedra electronic wire CuMg 0.1 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
Mg	0.1
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.9
Melting range (°C)	1080
E-Modulus (kN/mm²)	~ 125
Thermal conductivity (W / m x K)	~ 320
Coefficient of linear mean expansion (10⁻⁶/K)	17.5
Electric conductivity (m / Ω x mm²)	~ 47
Electric conductivity (IACS %)	~ 81
Resistivity (Ω x mm² / m)	0.0213