CUMG 0.4

bedra electronic wire CuMg 0.4 out of a highly conductive alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

Standardization and composition

Norm	CuMg0.4
DIN	17666
Alloy composition	Average values according to standard (%)
Cu	balance
Mg	0.4
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.9
Melting range (°C)	1070 - 1080
E-Modulus (kN/mm²)	125
Thermal conductivity (W / m x K)	240
Coefficient of linear mean expansion (10-6/K)	17.6
Electric conductivity (m / Ω x mm²)	>36
Electric conductivity (IACS %)	~>61
Resistivity (Ω x mm² /m)	0.0256 - 0.0278