

bedra electronic wire Ms80 out of a brass alloy for various applications (ribbons, heating conductors / resistance wire, special cables, bobbins, connectors, etc.).

Standardization and composition

Norm	CuZn20
DIN	17660
EN DIN12166	CW 503 L
CDA UNS	240
Alloy composition	Average values according to standard (%)
Cu	80.0
Zn	balance
Others	max. 0.5

Physical properties

Density (kg/dm³)	8.7
Melting range (°C)	970 - 1010
E-Modulus (kN/mm²)	119
Thermal conductivity (W / m x K)	142
Coefficient of linear mean expansion (10⁻⁶/K)	18.8
Electric conductivity (m / Ω x mm²)	17.0 - 19.0
Electric conductivity (IACS %)	~ 29 - 32
Resistivity (Ω x mm² / m)	0.0526 - 0.0588