

**Elektro-conducting material**

Copper

Copper Chrome

Conductive brass

# M-CAST

**Mechanical and physical material properties**

Alloy group	DIN/EN-standard	DIN/EN-material number	Alloy designation chemical symbols	Alloy designation numerical	Tensile strength $R_m$ N/mm <sup>2</sup> min.	Yield strength $R_{p0.2}$ N/mm <sup>2</sup> min.	Elongation at break $A_5$ % min.	Hardness HB min.	electrical conductivity $m/\Omega$ mm <sup>2</sup> (min.)	
C100	GK-Cu L50	17655	2.0058.02	Cu-C	CC040A	150	40	25	40	55
	similar to GK-CuCr 35					320	190	8	100	38
C250	GKCuCr35	17655	2.0058.02	CuCr1-C	CC140-C	300	200	10	95	45
C300	CuNi2Si					460	360	12	150	20
SM 1730	Conductive brass					440	130	20	90	18