

Data Sheet

SILVER BEARING COPPER - CW111A/ CW112A/ CW113A

Silver-bearing copper is a variation of ETP copper with a small addition of silver to the copper matrix to improve the materials resistance to softening. There are grades of silver bearing copper available from Metelec Class 2, 3 and 4, dependent on the silver content. The other main advantages of using silver bearing coppers are enhanced mechanical strengths, electrical conductivity and improved heat and corrosion resistance.

Silver-bearing copper is typically used in applications such as commutator bars and segments in traction motors and various DC industrial motors. Metelec are able to supply all three grades of silver-bearing copper in different sections according to our customer requirements.

Related Specifications:

CW011A / Cu-Ag-2	CW012A / Cu-Ag-3
CW013A/ Cu-Ag-3	IED 60356
BS 1434 : 1985	JIS C 2801 : 1995

Chemical Composition:

Cu-Ag-2	Copper Silver	99.9% min 0.03 - 0.05%
Cu-Ag-3	Copper Silver	99.9% min 0.06 - 0.08%
Cu-Ag-4	Copper Silver	99.9% min 0.08 - 0.012%

Applications:

Traditional uses for silver-bearing copper include commutator bars, segments in traction motors, industrial DC motors, vacuum interrupters, stators & rotors of turbo / hydro and nuclear generators.