

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 three grades of silver bearing copper available from Holme Dodsworth 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. Holme Dodsworth 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
- CW013A
- IEC 60356
- BS 1434 : 1985
- JIS C 2801 : 1995

Chemical Composition - JIS C 2801:1995

Cu-Ag-2	Copper	99.9% min
	Silver	0.03-0.05%
Cu-Ag-3	Copper	99.9% min
	Silver	0.06-0.08%
Cu-Ag-4	Copper	99.9% min
	Silver	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-generators, hydro-generators and nuclear-generators.

This technical information is given by Holme Dodsworth Metals without charge and the user shall employ such information at their own discretion and risk. For more detailed technical advice on temper selection, fabrication, joining, machining, physical and mechanical data please contact us as space does not permit the listing of every feature of the material.