

KEMBLA

COPPER ALLOYS



Continuous cast tin bearing copper and silver bearing copper rod and drawn wire



BENEFITS:

MM Kembla Tin Bearing and Silver Bearing Copper products are manufactured from continuously cast and hot rolled high conductivity rod via the Southwire Continuous Copper Rod process from pure LME A Grade Cathode combined with either pure Tin or Silver to produce copper alloy rod used for contact wire or redrawing into wire for specialised mechanical or electrical specifications.

Kembla copper alloy rod is suitable for drawing down to Super fine wire for use in high technology applications.

Stringent quality control is maintained throughout the manufacturing process and combined with our experience and technical support from our in house tooling and laboratory facility MM Kembla are able to provide high quality copper alloy rod and wire for all applications.



FEATURES:

Kembla Tin Bearing and Silver Bearing Copper rod is available in various sizes in continuous lengths of downcoiled packs from 2 metric tonne to 5 metric tonne. Packs are steel strapped on to timber pallets. Copper alloy wire is available in a wide range of sizes and packaging.

Kembla Copper Alloys exceed all standards and utilises the latest technology in controlled casting, drawing, annealing and product packaging.

MM Kembla tin bearing copper alloys offer superior strength, wear and softening characteristics and was developed as an alternative to the environmentally obsolete cadmium copper.

Our silver bearing copper alloys offer high conductivity and enhanced annealing temperatures for high use and frequent electrical requirements.

For more information on Copper Contact Wire please refer to 'Kembla Railway Contact Wire'.

RECOMMENDED FOR

- Power and Communication Cable manufactures
- High Technology Super fine wire applications
- Specialised contact wire for overhead electric railway systems
- Electrical applications where superior strength, wear and temperatures are required



Quality
Endorsed
Company
ISO 9001 Lic 0002/01
SAI Global

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Copper Alloy Rod for Redraw

Size Range	Specifications	Alloys	Tempers
8 mm 10 mm 13 mm 21 mm	ASTM B49 BS 6926 AS2737	Tin Bearing Copper Silver Bearing Copper (% to be agreed)	As rolled As rolled As rolled As rolled As drawn
Pack Type	Pack Mass	Pack Dimensions	Pack Lengths
Continuous down coiled packs, compacted and steel strapped to a wooden pallet and plastic wrapped for protection.	Standard Packs 2000-5000kg Other pack masses on application	OD: 1400-1600 mm ID: 900 mm Height: 500-1200 mm	Dependent on rod size and pack weight

Copper Alloy Wire

Size Range	Specifications	Alloys	Tempers
0.4-16mm	AS 1573, AS 1574 BS 125, BS 4109 ASTM B1, ASTM B3 JIS C3101, JIS C 3102	Tin Bearing Copper Silver Bearing Copper (% to be agreed)	Hard drawn Annealed <i>Other tempers, e.g. 1/4 hard 1/2 hard on application</i>
Pack Type	Pack Mass	Pack Dimensions	Pack Lengths
Spoolless bulk packs	1000-2100kg	Diameter 900mm Height 780mm	Dependent on product and packaging dimensions
Steel drums	500-1800kg	<i>Various packaging options and reel types are available for each product</i>	
Wooden drums	500-1500kg		
Reels	4-150kg		
Spools	25-400kg		
Bare Coils	25kg (230mm coil) 25-100kg (56mm coil) <i>Various packaging options for each product may be available</i>		