

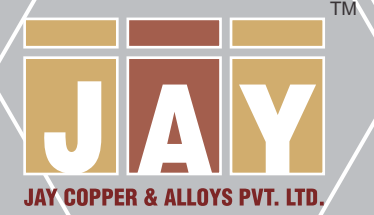


HIGH CONDUCTIVITY COPPER BUSBAR

Metallic Excellence



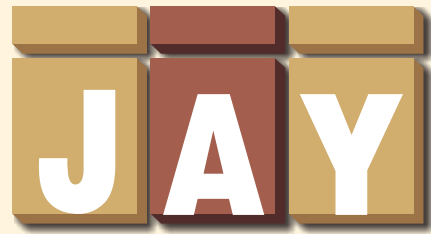
Jay copper's Quality policy is :
"Determined to produce quality products to customer satisfaction"



JAY COPPER & ALLOYS PVT. LTD.

Plot no. 2219, Nr. Shah Alloys Ltd., Science City To Khatraj Road, Village : Santej- 382721,
Tal. : Kalol, Dist. : Gandhinagar (Gujarat, India)
Ph: +91 - 2764 -286141 / 42 / 43 Cell : + 91 99241 01650 / + 91 94260 01650
Email : info@jaycopperalloys.com / jay@jaycopperalloys.com www.jaycopperalloys.com

JAY COPPER & ALLOYS PVT. LTD.
Growth is life



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Jay copper is one of the leading manufacturers of high conductivity copper products in India. Our products can achieve an electrical conductivity of 100% IACS. The products have excellent mechanical properties suitable for various applications such as electrical energy, solar energy based industries and electronic industries.

Jay copper is situated in Gujarat, India having plant area of approx. 60,000 Sq. Ft., with sophisticated imported machineries and the in-house testing facilities. Our company is supported with highly qualified and skilled management and technical experts in all the fields to focus on production of best quality material in India, without any compromise in the Quality.

Our range of products like Oxygen free copper Bus bars & Rods are currently being used by various industries such as panel builders, wires and Cables, Lugs, & transformer manufacturers and also in Construction Field. Our products are being marketed across the world.

Jay copper is very Quality conscious of production, Administration, Marketing, Pollution control and Clean environment etc. That's why we are accredited with TUV NORD ISO 9001-2008 Certification.



Customer Satisfaction is our Prime MOTO

FABRICATED BUS BARS



FABRICATED BUS BARS

We excel in manufacturing fabricated Copper Bus bars with advanced Technology, state of the art fabrication machinery, highly skilled work force and best quality materials, to assure reliability and accuracy of the products, as per the drawings and specifications of our customers, to enable them easy and convenient installation



Benefits to Customer

- Save time
- Perfect Installation
- Reduce cost of Maintenance
- Reduce internal scrap
- Fast delivery

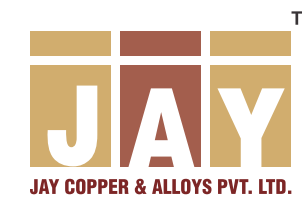
Fabrication Processes Include

- | | |
|--------------------------|-----------------------|
| ◦ Cutting | ◦ Debrising |
| ◦ Bending | ◦ Buffing & Polishing |
| ◦ Punching | ◦ Tin Plating |
| ◦ Tapping | ◦ Paper Covering |
| ◦ MS Clinch nut punching | ◦ Chamfering |



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COPPER RODS

Technical Parameters

- Specification** : As per IS, ASTM
Material Grade : OFHC Copper, ETP Copper
Size : 3 mm to 110 mm
Purity : Min 99.99%

Packing

- Wooden Pack
- Bundles

Application

- Power transmission
- Data & Signal Cables
- Control & Instrumentation Cable
- General Wiring in Building
- Earthing

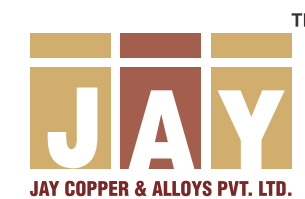


APPLICATION



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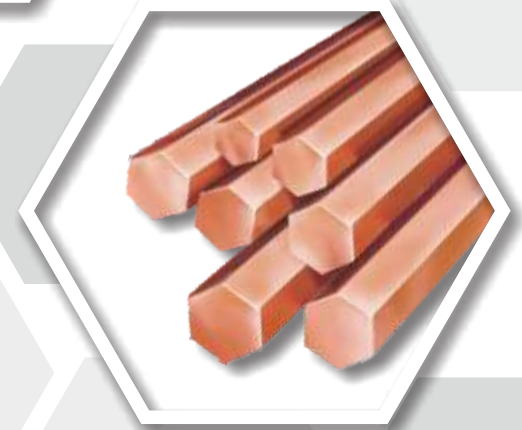
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COPPER RODS

Copper rods are mainly in 3 forms i.e. round, square, & Hexagon. Minimum copper content in rods is 99.99% as per IS 191 and available sizes are 3mm to 100mm which are mainly used in transformers, railways, telecommunication, winding wire & cables etc are offered by us at very reasonable price with the best quality.

The precision engineered and finished copper round rods are available in full hard and half hard.



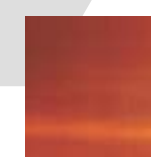
Standards

Copper Rods are produced to meet International Standards such as IS, ASTM, BS, JTSH as required by customers

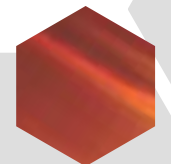
Shapes



Round



Square



Hexagon

COPPER BUS BARS

Technical Parameters

Specification	: As per IS, ASTM
Material Grade	: OFHC Copper, ETP Copper
Width	: 4 mm to 250 mm
Thickness	: 1 mm to 40mm
Conductivity	: Above 101 % IACS
Product Section Area	: 10 mm ² to 5000 mm ²
Purity	: Min 99.99%

Condition	Hardness HV
Hard	Above 90
Half Hard	70-90
Annealed	Below 65

Packing

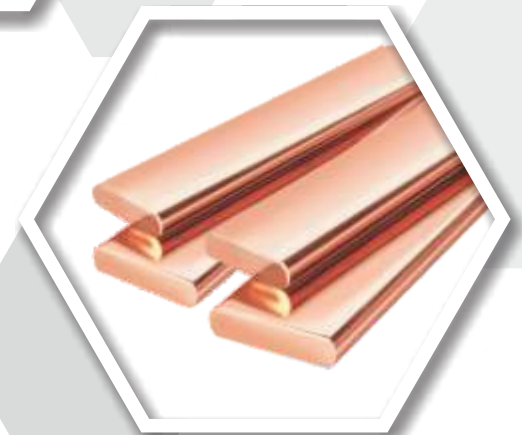
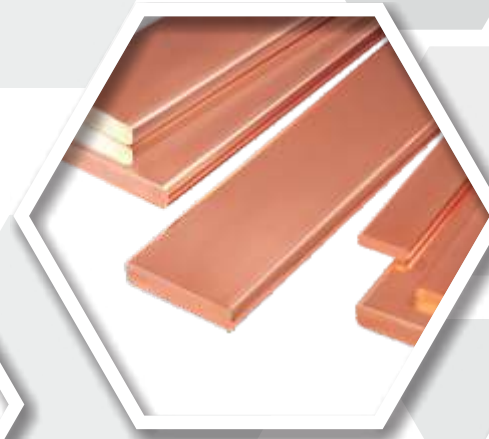
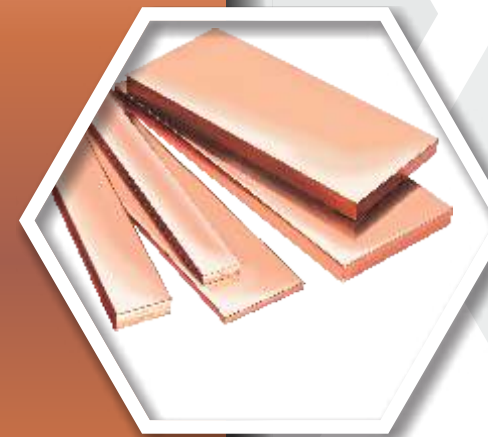
- ◉ Wooden Boxes : Wrapped with plastic
- ◉ Bundles : Wrapped with plastic

Application

- ◉ Electrical Engineering
- ◉ Transmission
- ◉ Switchgears
- ◉ Panels (HT & LT)
- ◉ Electrification lines
- ◉ Components
- ◉ Earthing

COPPER BUS BARS

We Excel in Manufacturing Oxygen free Copper Bus bars & Strips for our esteemed Customers. Our Cutting edge technology & manufacturing unit enables us to produce copper Bus bars & Strips that maintain high conductivity copper products. The Copper Bus bars & Strips are provided in diverse shapes and sizes to meet the persistent requirements of the client.



Standards

Copper Bus Bars & Strips are produced to meet International Standards such as ASTM, BS, JTSH as required by the customers. Copper Bus Bars & Strips for electricals purpose.

Shapes



Rectangle



Round Edge

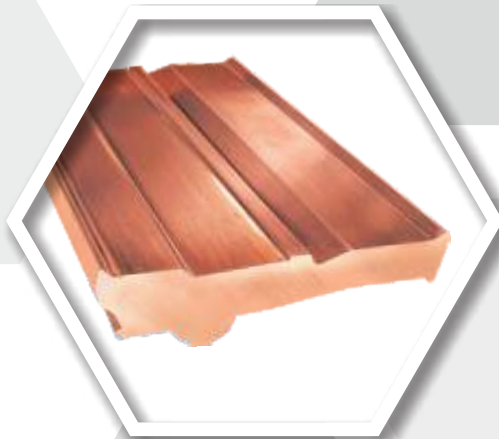
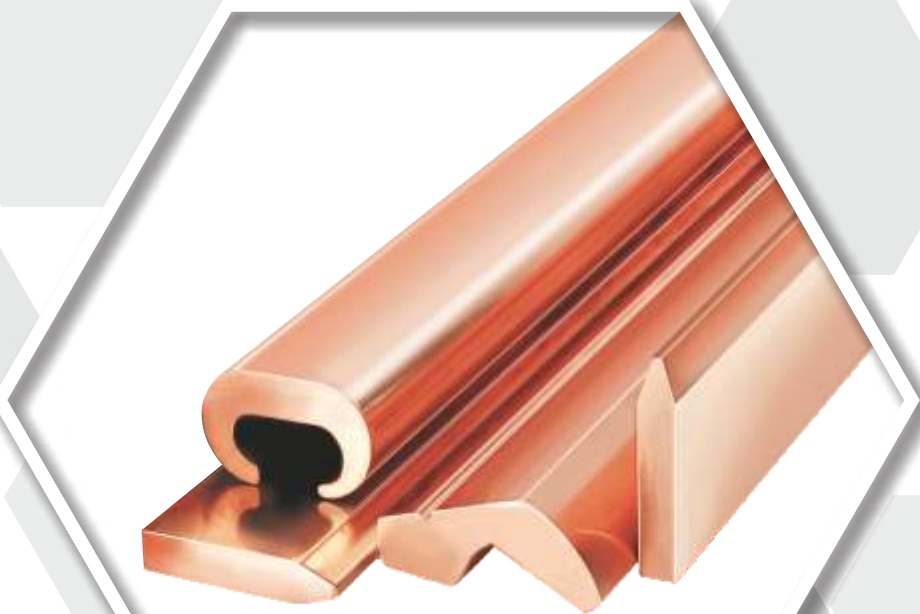


Full Round

COPPER PROFILE

We manufacture copper profile in different sizes and shapes useful for heat sinks & CPU coolers. We offer high conductivity electrolytic tough pitch copper (ETP) and high conductivity oxygen free copper.

The purity of copper profile is 99.98%+ for ETP and 99.99% for Oxygen free copper and the electrical conductivity is >100 for the both items.



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TIN-PLATED COPPER BUS BARS

Tin plated copper busbar helps upgrade design and provide the best quality for switchgears, switch boards, electrical panels, power transformers, bus ducts & etc.

Better Joint efficiency

Tin plated applied to the contact surfaces prevent or delay oxidation when operating at high temperatures or in extreme environments for long term usage. Jay copper produces and supplies high quality tin plated copper bus bar that results in improvements in efficiency by increasing jointing surface and reducing the resistance of the joint.

Extended long life:

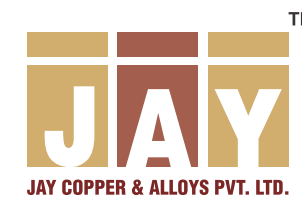
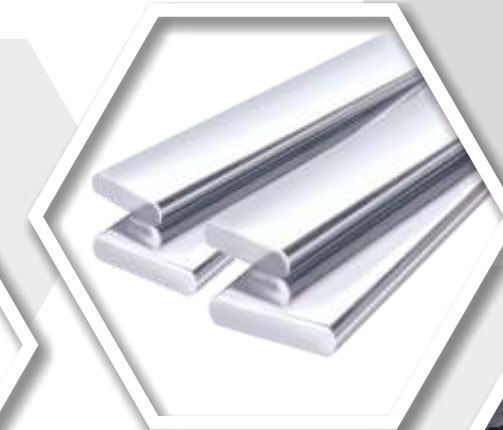
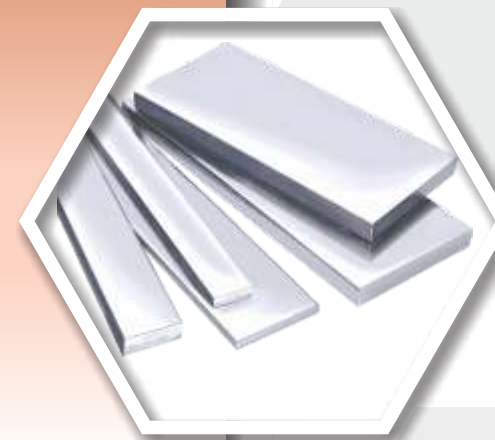
Tin soft white metal can easily be polished, scratch brushed or flow melted to give a bright finish. It is non – toxic and there is minimal affect from organic acids and sulphur compounds do not readily tarnish tin. It is not impaired by either air or water. But reacts with hydrochloric acid to form stannous chloride tin is on of the less susceptible metals to corrosion attack. Tin plated copper bus bar protects against atmospheric corrosion and hence provides longer life in corrosive atmospheres.

Consistent tin coating:

Jay copper conducts a test for measuring the thickness of tin coating by a computerized system to assure our customers the consistency of tin coating.

Acceptance & Recognition:

Tin plated copper bus bars, complying with international standards and product by Jay copper are accepted in the international market like UAE, Saudi Arabia, Etc.



JAY COPPER THE NAME OF QUALITY



Upcast continuous casting technology



Hydraulic automatic drawing



Continuous extrusion



On-line cutting machine



Fabrication machine



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JAY COPPER THE NAME OF QUALITY

Quality

Jay copper uses vergin raw material for the production of 100% pure copper in our full automatic computerized Upcast Continuous Machine.

Production Process

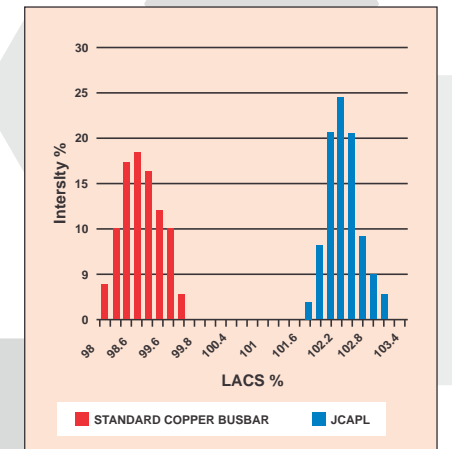
We use state of the art production process with specific designs & technology to make the best quality copper Bus bars & copper rods having high conductivity mechanically strong and in flat shiny finish. In our automatic machines it is very easy to take the production of any product in any size very quickly in small as well as large Quantity.

Thermal Conductivity

The technology for measuring thermal conductivity is computer based to attain proper thermal conductivity, so that such products are vastly can be used for electronic & IT applications due to controlled flatness fine tolerance can be achieved.

Electrical Conductivity

The purity of conductor is most important to get proper electrical conductivity of the electrical conductor for that jay copper is using pure copper cathodes having 99.99% this will enable us to offer better electrical conductivity of approximate 100% conductivity to the customers.



The copper Bus bars produce by jay copper is well finished products with all the bends in very smooth condition, there will be no crack on the surface.

Right Flatness

The flatness of a copper bus bars is vital for jointing efficiency the better the flatness, then no or less machining work is required during preparation of the jointing surface. Jay copper material has less than 50µm flatness tolerances, which makes jay copper Bus bar surfaces excellent for joining together effectively.

