



JANS



Distributing Copper 'Worldwide'



JANS COPPER PRODUCTS

Jans Copper produces oxygen-free copper bars, rods, strips, pipe, earthing tape, soft tape, profiles and wire strip. We also produce high quality copper anodes, which are available in phosphorous or oxygen-free copper.

Copper Bars

GENERAL PROPERTIES

Copper Products for electrical purposes are produced to meet International Standards including Copper Content of 99.9% JIS, BS EN, DIN, ASTM and IS as required by customer specifications.



SIZES

- Copper Flat Bars**
Thickness: 1 mm to 60mm
Width up to 260mm
Edge: Square Edge, Radius Edge, Full Radius Edge
- Copper Square Bars:** 4mm to 120mm
- Copper Round Bars/Rod:** 4mm to 150mm
- Copper Hex Bars:** 4mm to 75mm
- Copper Wire Rod:** 8mm, 12mm, 16mm, 20mm



Copper Bonded Steel Earth Rod

Copper bonded steel earth rods are the most commonly used earth electrode. They are suitable for most application, compatible for deep driving & are economical. Copper bonded steel earth rods are made by molecularly bonding 99.9% pure copper onto high carbon, low tensile steel rods.



Thread Size: 5/8", 3/4",
Length: 1200mm, 1500mm, 1800mm, 2400mm, 3000mm
Rod Dia: 13.70mm, 16.70mm

- * Other sizes available on request.
- ** We provide upto 250 micron copper coating on earth rods
- *** Actual size may vary by +/- 5%

Pure Copper Earth Rods

Pure Copper Earth Rods are made of pure (100%) electrolytic copper. The Earth Rods are hard drawn from extruded copper bars. Pure copper earth rods are preferred where soil conditions are very aggressive & corrosive. The rods are threaded internally to make it extensible for deep driving with the help of couplers.



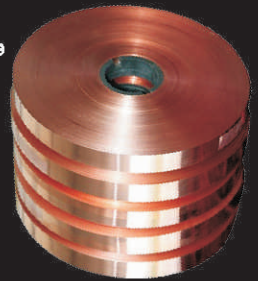
Earth Rod Dia: 15mm / 16mm / 20mm
Length: 1200mm / 1500mm / 2400mm

- * Other sizes available on request.

Copper Strips

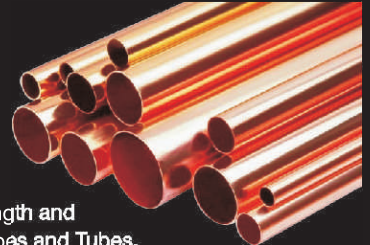
GENERAL PROPERTIES

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SIZES

- Copper Strips**
Thickness: 3mm to 6mm
Width up to 160mm
- Copper Foil**
Thickness: 0.1 mm Minimum
Width up to 360mm
- Copper Tape**
Thickness: 2mm to 6mm
Width up to 75mm
for Earthing Purpose



Copper Pipe

STRAIGHT COPPER TUBES

JCPL manufactures high strength and corrosion resistant Copper Pipes and Tubes.

Manufacturing Dimension for Straight Copper Tubes and Pipes:

OD	Thickness minimum	Temper
4mm to 150mm	0.27mm to 12mm	Soft annealed (O) Light drawn (1/4H) Drawn (1/2H) Horddrawn(H)

Copper Anode

Phosphorous Copper Anodes (Cu-DHP) mainly used for the plating of Printed Circuit Boards



PHOSPHORUS-DEOXIDIZED COPPER

- 99.90 Cu 0.02 to 0.08% (DHP)
- Oval : 80mm x 30mm or customer requirement
 - Ball : 025mm, 038mm, 0 50mm or customer requirement

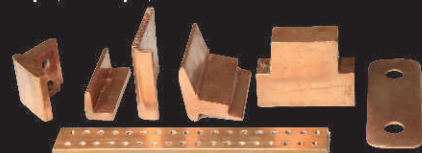
Copper Profile

GENERAL PROPERTIES

Copper Products for electrical purposes are produced to meet International Standards including Copper Content of 99.9% JIS, BS EN, DIN, ASTM and IS as required by customer specifications.

PRODUCT DESCRIPTION

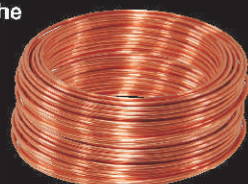
Copper profiles or Section made as per customers drawings. Copper profiles with strict dimensional tolerances such as C-connectors, L-shape, Y-shape, H-shape, etc.



Copper Wire

Copper Wires manufactured by JCPL are used to bear mechanical loads or electricity and telecommunications signals. Wire is commonly formed by drawing the metal through a hole in a die or draw plate.

Thickness 0.080-0.500mm (tolerance +/-0.010)
width 1.000-6.000mm (tolerance +/-0.080)



Copper Flexibles Braided

These are manufactured from high conductivity ETP grade Copper wire of Diameter 0.07mm to 0.30mm in the finish of Bare (Red), Tinned and Silvered. The contact areas are Cold formed with a solderless seamless tubular lug around braided strips. Connection at palm is Bare (Red) Silver plated or Tin plated.

These meet the most rigorous production demands as they compensate for vibration, expansion and/or contraction. They are available in a variety of designs and are customized for job-specific applications.

The Bare Copper gives the flexible a Bronzed look. Our Braided Copper Flexibles are manufactured from high conductivity ETP grade Copper wire of Dia 0.07mm to 0.30mm in the finish of Bare (Red).

While transmitting electrical power, a connector providing quintessential electrical value is required for minimizing voltage loss. We provide these attributes in our customized connection. These are available in a variety of designs and are customized for job-specific applications.



Copper Flexibles Laminated

These laminated Copper Flexible Connections are produced from high conductivity electrolytic grade copper foils/sheets. We follow various methods to produce these flexible jumpers.

In Press welding, individual Copper strips are fused (one homogeneous mass) together by applying direct current and pressure without the use of any foreign material.

It results in producing a solid palm with properties of a plain busbar of the same cross-section. This method assures minimum resistance thus increasing the product life & reduction in downtime.

Welding provides the best mechanical & electrical properties at high temperatures. Moreover, the laminated flexibles take less cross-section area than braided flexible. These are available in all sizes covering the desired cross-section area. Slotted holes can be provided.



TECHNICAL INFORMATION

Copper Chemical Composition Density	• Cu ETP 99.9% minimum / OFHC 99.96% and above
Electrical Conductivity Resistivity micro ohm/cm 200C	• Cu ETP100 IACS 1,724
Mechanical Characteristics Tensile Strength Elongation	<ul style="list-style-type: none"> • (Soft Annealed) 20 KGF/mm² min (196 N/mm² min) 35% min • (1/4 Hard) 22-28 KGF/mm² min (216/275 N/mm² min) 25% min • (1/2 Hard) 25-32 KGF/mm² min (245/314 N/mm² min) 15% min • (Hard) 28 KGF/mm² min (275 N/mm² min) 5% min



Aluminium Bars

GENERAL PROPERTIES

Aluminium products for electrical purposes are produced to meet International Standards including Aluminium Content of 99.9% JIS, BS EN, DIN, ASTM and IS as required by customer specifications.

Size

- 1) **Aluminium Flat Bars**
Thickness: 1 mm to 60mm Width up to 260mm Edge: Square Edge, Radius Edge, Full Radius Edge
- 2) **Aluminium Square Bars**
4mm to 120mm
- 3) **Aluminium Round Bars/Rod**
4mm to 150mm
- 4) **Aluminium Hex Bars**
4mm to 75mm

SURFACE TREATMENT

Electro-plated Tin Plating Tin-plated Aluminium improves the jointing surface effectiveness and reduces the electrical resistance of the joint.

FIELDS OF APPLICATION

Bus Bars, Transformer Connectors, Earthing Protection in L.T and H.T. Electrical Panels, Power Transmission equipment, Control Panels etc.



TEMPER

All tempers: Soft grade/Half Hard/Hard

PACKING

Wooden Boxed: Wrapped with Plastic & Jute.

Brass Bars

Free Cutting Brass Rod is also known as free machining brass or leaded brass and is mainly used for high speed machining like fasteners, gears, architectural extrusions, automotive engineering parts, etc. as it is corrosion resistance and has excellent machine ability.

- Free Cutting Brass
- Forging Brass
- High Tensile Brass
- Lead Free Brass
- DZR Brass
- Naval Brass, Rivetting / Cold Forging Brass
- Modified Brass for LPG / CNG Valves

Size

- 1) **Brass Flat Bars**
Thickness: 1 mm to 60mm Width up to 260mm Edge: Square Edge, Radius Edge, Full Radius Edge
- 2) **Brass Square Bars**
4mm to 120mm
- 3) **Brass Round Bars/Rod**
4mm to 150mm
- 4) **Brass Hex Bars**
4mm to 75mm





Copper Foil Adhesive Tape

APPLICATIONS

- Electrical connection between surfaces (Sheets/foils)
- Die-cuts
- Mounting transparent foils, windows
- Shielding in housings
- Cable shielding
- Temporary shielding during tests
- Antistatic floor



USAGE

- NB, MB, PDA, Cable, LCD, PDP, DVD etc products' shielding, insulation, buffer, seal, shockproof, moistureproof and so on.
- Service condition in low temperature
- If tape must be used in low temperature, should make the tape's temperature to be about 20°C and use it in 3 hours

PACKAGE

Packed with wrapping paper or shrinkable film and put in suitable carton

STORAGE

Tape should be put in shade place, avoid high temperature, moisture and insolation. Shelf life is 6 months.

Copper Foil Adhesive Tape (Length 25 Mtrs Per roll)

Copper tape can be an interesting addition to your toolbox. The tape itself is made of thin pure copper so its extremely flexible and can take on nearly any shape. You can easily solder to it, and the tape itself can carry current just like a wire. On the back is an electrically conductive adhesive. The adhesive can't carry significant current but it is very handy for sensing applications where you don't want to solder the copper tape.

We've seen such tape used for EMI shielding, working with EL, making capacitive touch pads, ultra-thin wiring needs, etc.

MATERIAL & CONSTRUCTION

Conductive Copper Foil Tape	ML - CU - 80 - 50 - S
Base Material	Copper foil
Glue	Acrylic Glue
Thickness of foil (a) (mm)	0.050(+/-) 10%
Adhesive Thickness (b) (mm)	0.035(+/-) 10%
Total thickness (a+b) (mm)	0.085(+/-) 10%

CHARACTERISTIC

Item	Data	Remark
Insulate resistance	≤ 0.06Ω/ sq inch	25.4 mm*25.4 mm
Continuous viscous fluid	≥24 Hours	GB/T4851 - 1998
180°peel strength	≥ 9.8 N/ 25.4*200 mm	GB / T2792 - 1998
High temperature property	20° C~110°C	test

COPPER FOIL ADHESIVE TAPE

Sr No.	Size	Length per Roll	Packing / Carton
1	12mm	25 Mtrs	1 Roll
2	19mm	25 Mtrs	1 Roll
3	25mm	25 Mtrs	1 Roll
4	36mm	25 Mtrs	1 Roll
5	50mm	25 Mtrs	1 Roll
6	75mm	25 Mtrs	1 Roll

(Customize sizes available on request)





ABOUT US JANS COPPER

Jans Copper Pvt. Ltd, is one of the budding manufactures and exporters of today. The company offers a comprehensive range of electrolytic and oxygen free copper products comprising of Bus Bars, Flat Bars, Copper Wire, Pipes, Profiles, Rods, Strips, Copper anode, Copper Balls, Flexible Bus Bars Copper Wire Products Such As Copper Winding Wire, Connectors, Copper Clamp Flexible Copper Connectors, Copper Braided Strips etc.

Our products are the best in market and we have gained a lot of recognition with them. We have become one of the well-known manufactures of copper products in India due to our quality products and services. Products manufactured by JCPL are known worldwide for their quality and range. We manufacture our products keeping in mind the quality norms and also the latest demands of the market. Customer satisfaction is our ultimate goal and we strive hard to achieve it. Further, we endeavor to fulfill each and every demand of our customers and provide them with utmost satisfaction. We have also gained recognition and a reliable manufacturer and exporter of copper products in India.

INFRASTRUCTURE

Located in Daman, India, we have an excellent infrastructure set – up comprising of several sections and departments. These divisions facilitate organized, effective and timely processing of entire business orders. Our infrastructure makes us capable in accomplishing the entire production schedule within the stipulated time frame. The various units / divisions integrated in our infrastructure are : • Production control department • Product fabrication unit • Quality testing section • Storage unit • Packaging section • Administration department

MARKET WE SERVE

“JCPL” having its roots based in Mumbai-capital city of India has a wide network and business associations in all parts of the country. We have a strong cliental base in middle east and European countries. We believe in providing after sales support along with providing best quality copper at most competitive prices.

INDUSTRIES WE SERVE

- Architecture & Building • Automotive • Consumer Products • Electrical
- Electronics • Energy (Power Generation & Distribution) • HVAC & R • Industrial • Medical • Metal & Metallurgical • Ordnance • Solar • Superconductors
- Telecom & Communication • Welding • Transformers • Panel Board
- Switchgears • Earthing • Power Transmission

JCPL is a recognized STAR EXPORT House by GOVT of INDIA and also member of several renowned organisations.



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