



HIGH GRADE

COPPER WIRE MANUFACTURER



TECOP INDIA



COPPER WIRE



TECOP INDIA PVT. LTD.

Copper & Tinned Bare Conductor
Bunched & Stranded Conductors

Single Tinned Wire
Copper Bunched

Tinned Bunched Copper
Sudronic Wire



Tecop India Private Limited was incorporated on 21st June 2016. It is registered at Registrar of Companies, Delhi. The Directors of Tecop India Private Limited are Pramod Chandra Navik, Tekla K. B. Vithanage and Shailesh Chandra.

The company draw 8mm continuous copper rod to 1.6mm and thereafter 1.6mm to 0.2mm and below as per the customer needs through Rod Break Down (RBD), Fine Wire Drawing (FWD) and annealing process. Also we produce bunch copper in various sizes.

The company has professional engineers and technicians to assure high quality level of our product.

Furthermore it is necessary to mention that the main Director of the company, Pramod Chandra Navik is an expert in manufacturing 8mm continuous copper rod and has more than 25 years of experience in it. He is a popular person in copper industry due to his commitment and quality of products. He is the consultant to the majority of CCCR plants in India. Also he is the consultant to the several big companies in Dubai, Angola and Bangladesh.

WE ARE A LEADING COMPANY IN INDIA THAT MANUFACTURES SEVERAL TYPES OF COPPER ROD & WIRES.



MAIN ASSETS

Our main assets are a top-notch production plant, a testing lab with the newest technology, an experienced management team, and prestigious industrial houses in India and its neighbours.

TECOP INDIA PVT. LTD.



Copper Wire Manufacturer



www.tecopindia.com



Plot No. C-1119, Industrial Area, Bandapur, Chaupanki Extn., Dist. Alwar (Raj.)-301019

VISION

To manufacture copper rods of the highest quality that meet or surpass all applicable international standards. To fulfil customer orders on time and to offer them the best possible services. Create and establish strategic partnerships with important raw material sources. Create a healthy and safe working environment, and treat every employee with decency and respect.

MISSION

We provide our customers with superior Copper wire solutions based on state-of-the-art technology and consistent excellence in execution, ultimately delivering sustainable growth and profit.

BENEFITS

1

Tecop India Research and Development Center has been the cornerstone of superior quality copper products.

2

Quality Products

These imported quality products have gained a strong reputation in the market, leading to increased customer satisfaction and loyalty. Additionally, our commitment to innovation has allowed us to stay ahead of competitors and meet the evolving needs of our customers.

Copper & Tinned Bare Conductor

4/0-19 TINNED BARE COPPER

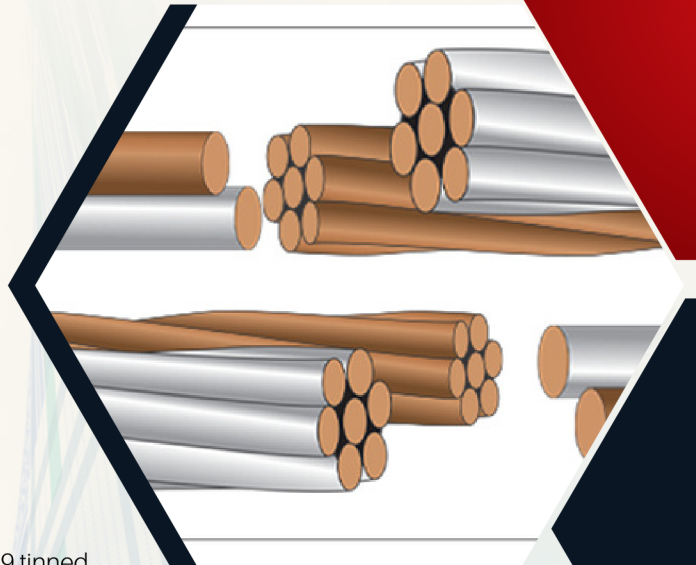
OTHER NAMES FOR 4/0-19 TINNED BARE COPPER:

4/0-19 tinned bare copper wire, 4/0-19 tinned bare electrical wire, 4/0-19 tinned bare copper cable, 4/0-19 overhead tinned copper cable, 4/0-19 overhead tinned copper conductor.

Tinned Bare Copper Wire has a tinned copper conductor per ASTM B-1, B-2 and B-3 (B-8 for stranded conductors). The conductor is available in hard, medium-hard, and soft-drawn combination unilay temper. Some of the advantages of copper in cables include conductivity, tensile strength, and the properties of the tensile expansion.

SPECIFICATIONS:

▶▶ **Size AWG:** 4/0 ▶▶ **Number of Strands:** 19/W ▶▶ **Outside Diameter:** 0.528 inches ▶▶ **Weight lb/1000FT:** 653.30 lbs



Copper Bunched

We offer a range of Bunched Copper Wires which have been specially engineered and manufactured as per the needs and requirements of the customers of that particular range. The pure electrolytic-grade copper is used in the Manufacturing of range of our products which meet all industry standards. In a bid to offer a complete range of wire solutions and a single window for all needs of our customers, we have expanded the range of products substantially.



Bunched copper wire and cable meets or exceeds the following ASTM specifications:

- B-1 Hard-Drawn Copper Wire.
- B-3 Soft or Annealed Copper Wire.
- B-8 Concentric-Lay-Stranded Hard, Medium-Hard or Soft Copper Conductor.
- B-2 Medium-Hard Copper Wire.
- B-33 Tinned Conductors
- B-787 19 Wire Combination Unilay-Stranded Soft copper wire.

Application :

For aerial power transmission and distribution line, circuit ground connections as well as machinery and equipment grounding.

Single Tinned Wire

We are leading manufacturer, exporter and supplier of a wide assortment of Single Core Tinned Cable. The offered cable is made up of superior quality raw material and highly developed machines in compliance with set industrial standards. Our offered cable is widely used in varied electrical fittings for power transmission.

We assure our clients that offered cable is stringently examined on varied quality parameters by our experts before delivery. We offer this cable in various specifications in order to meet the vast requirements of our valuable clients.

PRODUCT MAKE UP

- ▶▶ Strands of Electrolytic Grade, Oxygen free bar Copper wire Class V (Class 2 & Class 6 on request)
- ▶▶ Different varieties of PVC & HFFR on request



PRODUCT FEATURES:

- ▶▶ Flame retardant as per IEC 60332-1-2
- ▶▶ Flamability test as per IS 10810-53



Tinned Bunched Copper

Tinned copper is primarily used for protection against oxidation and corrosion. In climates where copper has long-term exposure to water, the oxygen will combine with the metal and form copper oxide, weakening the bonds of the metal. It is worse if the wire is in contact with salt water. As more of this oxide forms, it weakens the integrity of the copper making it brittle and crumbly. Corrosive copper wire is less efficient at moving electricity and can cause safety hazards.



PROTECTION AGAINST COPPER CORROSION

The sole purpose of electrical wire and cable is to conduct an electric current from one point to another, but if the cable starts to corrode, it can quickly become damaged and result in loss of performance. While bare copper is fairly resistant to corrosion, tinned copper conductors prevent accelerated corrosion against wet and contaminated environments.

Application :

Tinned copper is primarily used in wastewater treatment facilities, subway systems, and other contaminated environments susceptible to long-term exposure to excess water. The tin coating on the copper protects the wire from corrosion and premature cable failure.

Single Wire

BASE MATERIALS: CU-ETP / OFE

COATING: TIN / NICKEL / SILVER

SINGLE WIRE DIAMETER:

RANGING FROM Ø 0.07 MM TO 6.00 MM



SIZE	COIL	BASKET	DIN 630 MM	DIN 400 MM	DIN 250 MM	DIN 160 MM
6 - 1.6 mm	√	√	√			
1.6 - 1.08 mm		√	√			
1.00 - 0.300 mm			√	√		
0.300 - 0.200 mm			√	√	√	√
0.200 - 0.070 mm					√	√

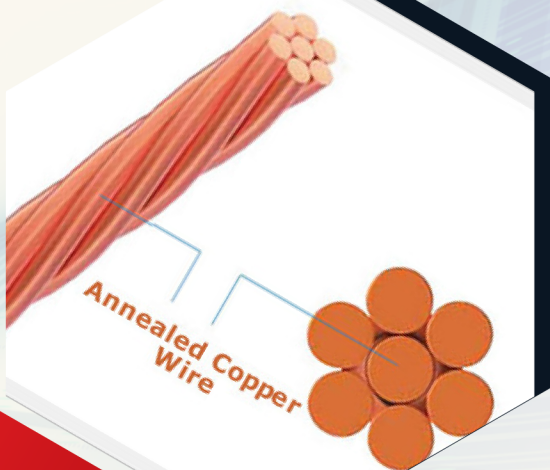
BASE MATERIALS: CU-ETP / OFE

COATING: TIN / NICKEL / SILVER

CROSS SECTION: RANGING FROM Ø 0.10 SQ MM TO 630SQ MM



At Tecop India Bunching is done on double twist bunchers suitable for variety of cross sections handling delicate wires as 0.05 mm and capable to deliver mostly any type of construction including complex unilay geometry.



Bunched & Stranded Conductors

Tecop India manufactures a broad range of flexible bunched and strands which are used primarily in specialty single and multi-conductor cables also used in special applications like motor brush leads, circuit breaker shunts and flexible bus bar.

Strands and cables are typically made of bare or tinned copper wire but strands and cables for special purposes can be manufactured using silver-plated copper & nickel-plated copper.

STRANDING, AT TECOP INDIA IS DONE BOTH ON PLANETARY AND RIGID MACHINES TO HANDLE FLEXIBLE (CLASS V) WIRES AND SOLID / THICK WIRES. COMPACTED CONDUCTORS AND SHAPED CONDUCTORS IS TECOP INDIA'S SPECIALTY.

BUNCHING / STRANDING GEOMETRY

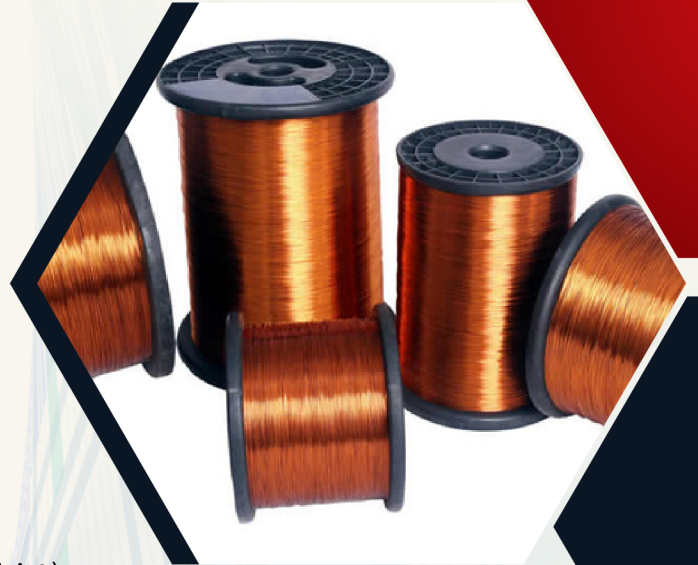
- ▶▶ S (LHS) / Z (RHS) ▶▶ Uni lay
- ▶▶ Concentric ▶▶ Sectoral Conductor
- ▶▶ Round Compact Conductor

Sudronic Wire

Tecop India Can wire is drawn from continuous cast copper wire rod through tandem rod break down line having electrical resistance annealer and suitable for seamless drawn wire in cardboard basket.

SALIENT FEATURES

- ▶▶ High purity 99.99% min cu.
- ▶▶ Continuous length (without joint)
- ▶▶ Uniform controlled elongation



SPECIFICATIONS

SOUDRONIC WIRE	1.20 MM	1.38 MM
Appearance	Clean, Bright	Clean, Bright
Diameter	1.20 mm ± 0.005	1.38 mm ± 0.005
Elongation	> 20%	> 20%
Conductivity	> 101 % IACS	> 101 % IACS
Packing Weight	800, 1200, 1800, 2000 Kg	800, 1200, 1800, 2000 Kg

QUALITY

The plants, located in the industrial areas of Chopanki, Bhiwadi (Rajasthan) close to New Delhi is ISO certified with a special emphasis on health and safety at the workplace. Meeting the exacting standards and procedures of designing, production and supply.

Quality has always been of primary importance at Tecop India. Our products are a vital infrastructural input and we deliver the best possible quality. The manufacturing process is meticulously scrutinized right from the procurement of raw materials until the final dispatch of finished goods.

Computerized equipment at our Quality Assurance and Testing Laboratories test our wire very stringently under all the parameters as per the requirements of relevant quality standards or the client's specified requirements. Quality checks also include Raw Material and In Process Inspections; Sample, Routine, Type, Acceptance, and other Special Tests, at every stage.

The plants are equipped with state-of-the-art facilities as technology plays a pivotal role in the manufacturing process. Our highly professional engineers and technicians are passionately committed to delivering distinctive quality each time. Constant training, in the form of production and quality workshops, ensure that our employees are equipped with the latest skills and knowledge.



MANAGING DIRECTOR

MR. PRAMOD CHANDRA

With over 20 years of experience in various leadership roles, he has consistently demonstrated his ability to drive growth and profitability. His strategic vision and strong communication skills have earned the respect of his colleagues and peers, making him a highly sought-after executive in the field. Apart from his professional achievements, he is also known for his commitment towards Corporate Social Responsibility and has taken several initiatives to give back to the community. Under the supervision of Mr. Pramod Chandra (Managing Director), we have been successful in meeting the demands of our clients. His leadership qualities have enabled us to achieve the goals of our organization.



Managing Director's Message

"AS THE DIRECTOR OF THIS COMPANY, I FIRMLY BELIEVE THAT OUR GROWTH IS DIRECTLY TIED TO OUR ABILITY TO INNOVATE AND ADAPT TO CHANGING MARKET CONDITIONS. IN ORDER TO ACHIEVE SUSTAINED GROWTH, WE MUST CONTINUOUSLY EVALUATE OUR STRATEGIES AND MAKE NECESSARY ADJUSTMENTS. THIS MAY INVOLVE EXPANDING INTO NEW MARKETS, INVESTING IN NEW TECHNOLOGIES, OR DEVELOPING NEW PRODUCTS AND SERVICES THAT MEET THE EVOLVING NEEDS OF OUR CUSTOMERS. ULTIMATELY, OUR SUCCESS WILL DEPEND ON OUR ABILITY TO STAY AHEAD OF THE CURVE AND REMAIN AGILE IN AN EVER-CHANGING BUSINESS LANDSCAPE."



TECOP INDIA PVT. LTD.

**HIGH GRADE
COPPER WIRE
MANUFACTURER**

DRAWING & ANNEALING

THANK YOU



WORK ADDRESS

G-1/80-81, Riico Industrial Area, Chopanki
Bhiwadi, Distt. Alwar, Raj-301019 (India)



Call Here

(+91) 813 014 1000



Send Email Here

md@tecopindia.com

www.tecopindia.com