



BHAGYADEEP



BARE COPPER WIRE



BHAGYADEEP

BARE COPPER WIRE

Bare Copper Wire is used as a high quality electricity conductor in electronics & electrical appliances. Copper is considered as one of the best conductors of electricity. Hence, copper wires are used as the most preferred conductors in electrical devices. Uncoated Copper Wire is durable & can last for years. Copper Wire is Cadmium free i.e. it is 100% pure & is also known as "Electrolyte Copper".

The use of Bare Copper Wire is also taken in overhead power sources, light poles, heavy appliances, machinery, cranes & other industrial purposes. That's why the demand of Uncoated Copper Wire is very high, always.

Bhagyadeep Cables is one of the leading Bare Copper Wire Manufacturers in India. We supply high quality uncoated copper wire for industrial purposes.

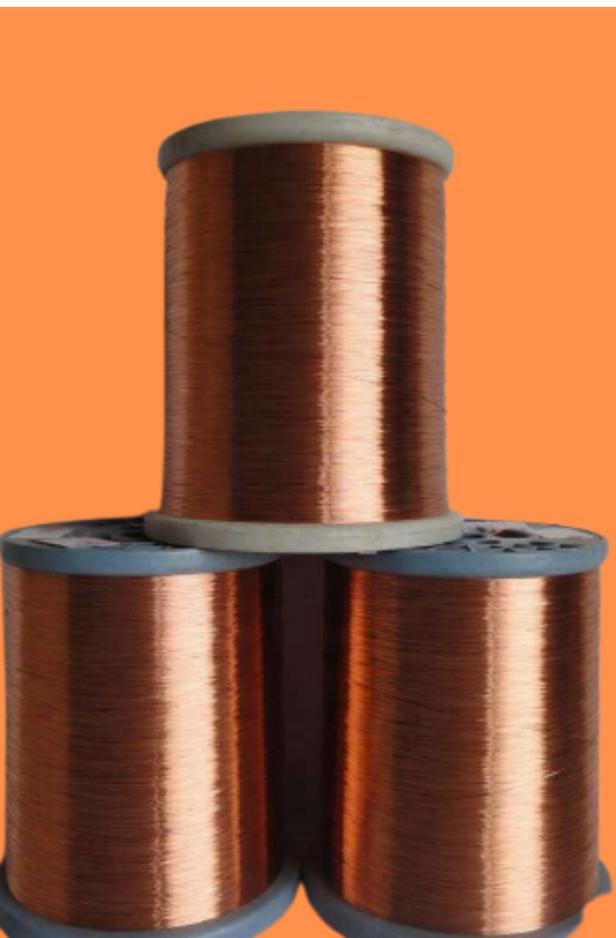
Bare Copper Wire and Cable meets or exceeds the following ASTM specifications :-

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

Detail Description or Construction : Solid or Concentric stranded hard drawn bare copper conductor.

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

Marking: Indent and embossed mark are printed on solid conductor or central wire for stranded conductor, if requested.





BHAGYADEEP

Advantages of Using Bare Copper Wire

Copper is one of the most popular metals used in electrical and Manufacturing industry. Due to several inherent advantages related to electrical conductivity and thermal conductivity, copper is the first choice for electrical equipment manufacturers. Copper wires have a glorious history of over 100 years. Initially, Bare Copper Wires found their usage during the installation of telegraph and telephones all over the World. At that time, copper wires were extensively used for transmitting the information and data across cities and were implanted as they were the best electrical conductor.

Electrical conductivity is one of the strongest properties of Copper wire. By the term electrical conductivity, scientists measure the ease with which any metal can transfer an electric charge. While choosing the appropriate metal for electrical wiring, the conductivity is the most important property to consider. As copper has the highest electrical conductivity, Bare Copper Wires are always preferred and recommended above any other metal.





BHAGYADEEP

Practical Uses of Copper

Copper is very useful metal, which has several practical usages in every sphere of life. Due to its excellent electrical conductivity and thermal conductivity, Bare Copper Wire is now the most widely used material in electrical & Manufacturing industry. Some of the practical uses of copper wire are as follows:

Electrical conductivity is one of the strongest properties of Copper wire. By the term electrical conductivity, scientists measure the ease with which any metal can transfer an electric charge. While choosing the appropriate metal for electrical wiring, the conductivity is the most important property to consider. As copper has the highest electrical conductivity, Bare Copper Wires are always preferred and recommended above any other metal.

- ▶ **Electrical Appliances:** It is estimated that more than 65% of all copper produced is eventually used for electrical appliances. In the field of power generation and transmission, Bare Copper Wire is extensively used in generators, transformers, motors, busbars and cable wires which are used for effectively and efficiently transmitting power to our homes and offices.
- ▶ **Electrical Equipments:** Copper wire is now the most preferable material for electrical equipments such as providing circuitry and wires for TVs, DVD Players, Computers and Laptops
- ▶ **Energy Efficiency:** Copper related products are now widely used for creating energy efficient products and services. For instance, if 1 tonne of copper is used efficiently for Manufacturing process, it can reduce carbon dioxide emissions by 200 tonnes every year.