

## Copper Bus Bars threaded Copper bus bars

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Copper bus-bars Copper  
Earth Bars



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Copper bus bars are typically used in high current, low voltage distribution and control equipment. Usual bus bar applications include electrical wiring systems, low and high voltage switchgear, panel boards, control panels, communication equipments, switchboards, and feeds to heavy electrical uses in commercial and industrial installations and buildings.

Bus bars can be made from copper or aluminum, but copper bus bars provide better electrical conductivity. Because of copper's greater electrical conductivity, smaller bus bars can be used, reducing costs. Copper bus bars have better resistance to corrosion, providing longer life cycles as well as improved performance in harsh environments. Threaded option offers tightening of Bolts / screws at regular intervals.

# Threaded Copper Busbars

- Electrolytic Copper grade
- Rounded corners offer smooth handling
- Thickness - from 1.8 to 9 mm
- Length - from 900 to 2100 mm

| PART No | WIDTH (mm) | HEIGHT (mm) | LENGTH (mm) | Bore SIZE (mm) |
|---------|------------|-------------|-------------|----------------|
| CPC400  | 25         | 4           | 1750        | 10.6           |
| CPC410  | 50         | 4           | 1750        | 10.6           |
| CPC420  | 63         | 4           | 1750        | 10.6           |
| CPC430  | 80         | 4           | 1750        | 10.6           |
| CPC440  | 100        | 4           | 1750        | 10.6           |
| CPC450  | 125        | 4           | 1750        | 10.6           |
| CPC350  | 50         | 9           | 1750        | 10.6           |

|        |     |   |      |      |
|--------|-----|---|------|------|
| CPC360 | 60  | 9 | 1750 | 10.6 |
| CPC370 | 80  | 9 | 1750 | 10.6 |
| CPC380 | 100 | 9 | 1750 | 10.6 |
| CPC390 | 120 | 9 | 1750 | 10.6 |

For rigid electrical connections, copper bus bars offer a very efficient solution. Resistivity in copper bars is very low, 25 in<sup>2</sup> bar 1 foot long is only 0.0000329 Ohms - roughly 8 Watts lost at 500 Amps.

Coatings like Silver, tin or nickel plating for copper bus bars is necessary in high temperature applications. At DC to 60Hz there is some controversy as to which plating is the best because while silver has the highest conductivity, it is also more noble than copper so it will actually accelerate corrosion wherever the plating gets scratched.

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**Copper busbars, Copper earth bars, Copper threaded bus-bars, High conductivity Copper bus bars, Copper electrolytic busbars, Copper ground bars, Copper grounding earth bars, silver plated Copper bars, Copper Tin plated busbars, Copper tinned bus-bars, Copper pressed busbars india, Copper busbar manufacturers suppliers india.**