

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 in² 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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