

ELIT PCB-2M-120X10

Solid copper rail in size 120x10x2000mm for self-production - can be easily bent and drilled

Technical description

Solid copper bar, made of electrolytic copper, for self-manufacturing of busbars or earthing bars. Can be easily cut, punched or bent. The copper bar can be used in many different applications such as earthing and power transmission (transformer stations, power distribution systems, etc.).

Properties:

Cu-OF / CW008A, minimum 99.99% Cu.

Electrical resistivity: max. 0.0171 Ohm m²/m, at 20 °C.

Oxygen-free copper is high-purity copper that is immune to hydrogen embrittlement.

It is used in applications where high electrical and thermal conductivity are the most important requirements.

Technical data:

Dimensions: 120 (W) x 10 (H) x 2000 (L) mm

Cross-section: 10 mm x 120 mm = 1200 mm²

Density, kg/dm³: 8.94

Coefficient of linear expansion, 1/K: 0.0000177

Specific heat, J/(kg x K): 385

Melting temperature, °C: 1083

Nominal current carrying capacity at rail temperature 85 °C is 2306 A

Nominal current carrying capacity at rail temperature 65 °C is 1740 A



Advantages:

Solid pure electrolytic copper for in-house production

Can be easily cut, punched and bent

Copper busbar is a good alternative to large cables and multi-cable solutions

Can be used in many different applications, e.g. grounding and power transmission

The product has a third-party verified EPD published in EPD-Hub and elit.no

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|------------------------------|---|
| Product name/ Art.nr/ GTIN | ELIT PCB-2M-120X10/ 20100019/ 7070810002405 |
| According to: | EN 13601 |
| Rated current I _n | 2306 Ampere |
| Model | Flat |
| Length | 2000 Millimetre |
| Width | 120 Millimetre |
| Height | 10 Millimetre |
| Flexible | No |
| Surface protection | Untreated |