



# ELIT PCB-4M-50X6

## Solid copper busbar (Cu) 50x6x4000mm

Solid copper busbar in size 50x6x4000mm for self-production - can be easily bent and drilled

### Technical description

Solid copper bar, made of electrolytic copper, for self-manufacturing of power or earth bars. Can be easily cut, punched or bent.

#### Properties:

Cu-OF / CW008A, minimum 99.99% Cu.

Electrical resistivity: max. 0.0171 Ohm m<sup>2</sup>/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: 50 (W) x 6 (H) x 4000 (L) mm

Cross-section: 6 mm x 50 mm = 300 mm<sup>2</sup>

Density, kg/dm<sup>3</sup>: 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 912 A

Nominal current carrying capacity at rail temperature 65 °C is 688 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

Product name/ Art.nr/ GTIN	ELIT PCB-4M-50X6/ 20100058/ 7070810022151
According to:	EN 13601
Rated current I <sub>n</sub>	912 Ampere
Model	Flat
Length	4000 Millimetre
Width	50 Millimetre
Height	6 Millimetre
Surface protection	Untreated