



ELIT PCB-4M-40X10

Solid copper busbar (Cu) 40x10x4000mm

Solid copper busbar in size 40x10x4000mm 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: 40 (W) x 10 (H) x 4000 (L) mm

Cross-section: 10 mm x 40 mm = 400 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 944 A

Nominal current carrying capacity at rail temperature 65 °C is 715 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-40X10/ 20100057/ 7070810006748
According to:	EN 13601
Rated current I _n	944 Ampere
Model	Flat
Length	4000 Millimetre
Width	10 Millimetre
Height	40 Millimetre
Flexible	No
Surface protection	Untreated