

Busbar, wire, copper rod of general electrical purpose

Product name:

- Soft annealed busbar
- Solid cold-drawn cooper busbar, wire, rod

Electrical resistance:

Soft condition: $0,01724 \text{ Om} \cdot \text{mm}^2/\text{m}$

Relative elongation:

Soft condition: from 35% and more

Hardness:

Soft condition: HB, HV: 35-65

Corner configuration:

SH: sharp

RD: rounded

CE: flat bars with full rounding

Isolation:

Without insulation

Scope of application:

- Electrical conductor for the production of bus wires, bus assemblies, distribution devices.
- Electric motors, traction motors.

Properties:

- High electrical conductivity
- High mechanical strength
- High corrosion resistance
- High bandwidth
- Long service life

Conductor material:

DSTU EN 1977 Cu - ETP CW004A

DSTU EN 1977 Cu - ETP1 CW003A

DSTU EN 1977 Cu - OF CW008A

Packaging:

- Soft tire, wire: bays or segments with a length of 1000-6000 mm; coils K500/36, K500/36

Specification:

DSTU EN 13601:2010

Production is certified:

ДСТУ ISO 9001:20015 (ISO 9001:2015, IDT);

ДСТУ EN ISO 9001:2018 (EN ISO 9001:2015, IDT);

ISO 9001:2015

Table of dimensional characteristics

Soft copper busbar						
Size, mm A*B		Hardness*	Temporary resistance tearing Rm, H/mm ² , minimum	Relative lengthening A, %, minimum	Volumetric specific electrical resistance, Om*mm ² , maximum	Material condition
Thickness from	Width, mm	HB, HV				
1,0	5,0-9,0	35-65	200	35	0,01724	H035 R200
1,1	4,5-9,0					
1,2	4,0-10,0					
1,4	3,5-11,0					
1,6	3,0-15,0					
1,8	2,8-19,0					
2,0	2,6-21,0					
2,2	2,4-23,0					
2,4	2,4-25,0					
2,6	2,6-27,0					
2,8	2,8-29,0					
3,0	3,0-30,0					
3,2	3,2-30,0					
3,5	3,5-30,0					
4,0	4,0-40,0					
4,5	4,5-40,0					
5,0	5,0-40,0					
5,5	6,0-35,0					
6,0	6,5-30,0					
6,5	7,0-30,0					
7,0	7,0-28,0					

* Indicators are normalized depending on the condition of the material, according to DSTU EN 13601

Configuration of copper busbar, wire, rod

