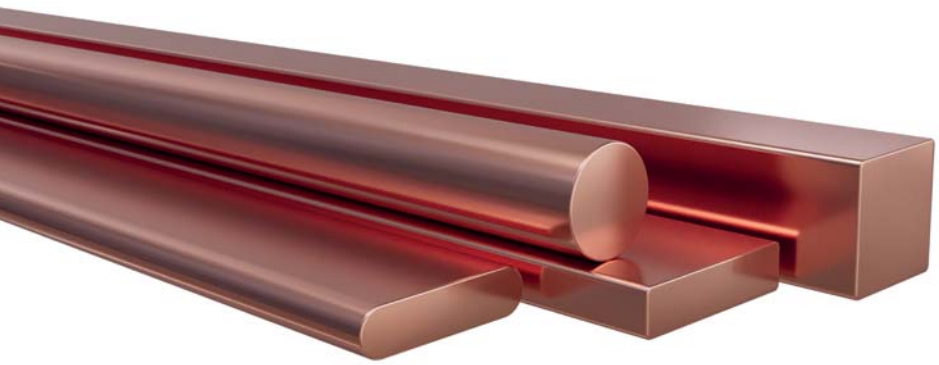
COPPER BUSBAR, WIRE, ROD

FOR GENERAL ELECTRICAL APPLICATIONS

NOVATON

Novaton Copper Busbar
Novaton Copper Rod

EN 13601



DESCRIPTION:

Long service life, high electrical conductivity, mechanical strength, corrosion resistance, and bandwidth.

It is used in traction motors and electric motors. It is used as an electrical conductor for the production of busbars, busbar assemblies and switchgear.

Configuration of busbar, wire and rod edges

a – width
b – thickness

Sharp edges | Rounded edges | Flat bars with full rounding

PRODUCT NAME:

Busbar, wire, rod

PROPERTIES:

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

SCOPE OF APPLICATION:

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

ELECTRICAL RESISTANCE:

Soft state: 0.01724 Ohm × mm^2/m

RELATIVE ELONGATION:

Soft state: from 35% and above

HARDNESS:

Soft state: HB, HV: 35-65

EDGE CONFIGURATION:

- SH: sharp
- RD: rounded
- CE: flat bars with full rounding

INSULATION:

Without insulation

CONDUCTOR MATERIAL:

EN 1977 Cu - ETP CW004A;
EN 1977 Cu - ETP1 CW003A;
EN 1977 Cu - OF CW008A

PACKAGING:

- Soft tire, wire: bays or segments with a length of 1000-6000 mm
- Coils K 500/36; K 800/36

SPECIFICATION:

EN 13601:2010

THE PRODUCTION IS CERTIFIED AND MEETS THE REQUIREMENTS OF:

ISO 9001:20015 (ISO 9001:2015. IDT);
EN ISO 9001:2018 (EN ISO 9001:2015. IDT);
ISO 9001:2015

NOVATON COPPER BUSBAR

NOVATON COPPER ROD

TABLE OF DIMENSIONAL CHARACTERISTICS

SOFT BUSBAR						
Dimensions, mm a × b		Temporary tensile strength Rm, N/mm², min.	Hardness*	Relative elongation A, %, min.	Volumetric electrical resistivity, Ohm × mm²/m, max.	Material state
Thickness from:	Width, mm:		HB, HV			
1,0	5,0-9,0	200	35-65	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 normalised depending on the state of the material, according to EN 13601