

WIRBALIT® B

CuCo2Be - 2.1285 - CW104C

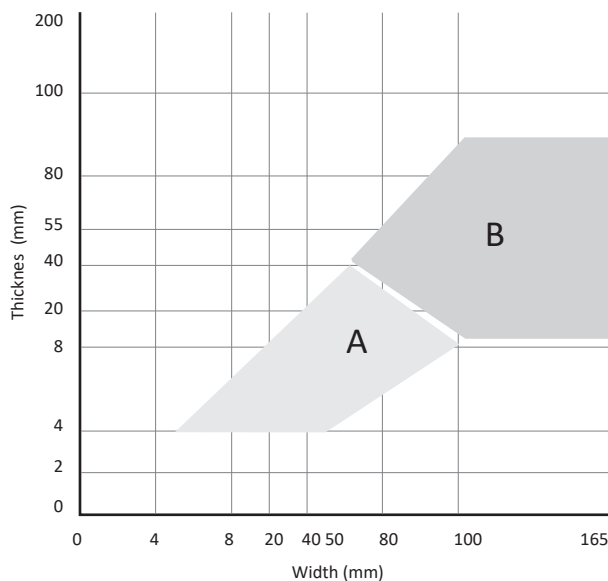
Nominal composition:

B - wt.-% (approx. value) Co2,2 - Be0,55 - Cu rem.

A high-strength age-hardened electrode material featuring particularly high hardness along with medium electrical conductivity. For spot, projection and butt welding. Suitable for high-strength, corrosion-resistant alloyed steels as well as nickel alloys. Special grades for chain welding electrodes, on request.

		A	B
Tensile strength Rm	MPa	≥ 740	≥ 690
Yield strength Rp0,2	MPa	≥ 610	≥ 570
Elongation A	%	≥ 10	≥ 12
Reduction of Area Z	%	≥ 20	≥ 15
Hardness HBW 2,5/62,5		230 – 280	220 – 280
Hardness HV30		240 – 300	230 – 300
Hardness HRB		99 – 108	97 – 108
El. conductivity	MS/m	≥ 26	≥ 26
El. conductivity	% IACS	≥ 45	≥ 45

Shapes, sizes and tempers



Rod



Diameter (mm)



Width a/f (mm)



Special grades for chain welding electrodes on request.