BRONMETAL

Copper Cu

Product format: Flat bar

Thecnical characteristics: Flat copper bar / rectangular rods for electrical application.

ELECTRICAL PROPERTIES (AT 20ºC)

Designations				Volume resistivity Ω x mm² / m max.	Resistividad másicaa Ω x g / m² max.	Conductivity MS/m min.	% IACSb min
Material		Metallurgical state					
Symbolic	Numerical						
Cu-OFE Cu-PHCE	CW009A CW022A	Annealed		0,017 07	0,151 7	58,6	101,0
				0,017 24	0,153 3	58,0	100,0
		Non annealed		In accordance			
Cu-ETP Cu-FRHC Cu-OF CuAg0,04 CuAg0,07 CuAg0,10 CuAg0,04(OF) CuAg0,07(OF) CuAg0,10(OF) Cu-PHC	CW004A CW005A CW008A CW011A CW012A CW013A CW017A CW018A CW019A CW020A	D		0,017 86	0,158 8	56,0	96,6
		H035	R200	0,017 24	0,153 3	58,0	100,0
		H065	R250				
		H065	R230				
		H085	R300	0,017 54	0,155 9	57,0	98,3
		H085	R280				
		H075	R260				
		H100	R350	0,017 86	0,158 8	56	96,6
CuAg0,04P CuAg0,07P CuAg0,10P Cu-HCP	CW014A CW0154A CW016A CW021A	D		0,018 18	0,161 6	55	94,8
		H035	R200	0,17 54	0,155 9	56	98,3
		H065	R250				
		H065	R230				
		H085	R300	0,017 86	0,158 8	55	96,6
		H085	R280				
		H075	R260				
		H100	R350	0,018 18	0,161 6	55	94,8

NOTE 1 - Values in % de IACS are calculated as percentages of normalized value of the high conductivity annealed copper, As are esablished by the International Electrotechnical Commision. Copper whose volumen resistivity is 0,017 24 μΩ x m, a 20ºC, is defined as corresponding to a conductivity of 100%.

NOTE 2 - 1 MS/m is equivalent to 1 m/(Ω x mm²).

[a] Calculates with a density of 8.89 g/cm³. Copper.
[b] IACS: International Annealed Copper Standard.