



BRONMETAL

Copper Cu

Product format:

Light tubes

Technical characteristics:

Round, square, rectangular and oval copper
for electrical applications



ELECTRICAL PROPIETIES

Designaction		Volume resistivity	Resistivity mass ^a	Conductivity			
Material		$\Omega \times \text{mm}^2$	$\Omega \times \text{g}$	MS/m	% IACS ^b		
Symbolic	Numerical	Metallurgical state					
				m	m ²		
		m	m ²	mín.	mín.		
Cu-ETP Cu-FRHC CU-OF CuAg0,10 CuAg0,10(OF) Cu-PHC	CW004A CW005A CW008A CW013A CW019A CW020A	D		0,01786	0,1588	56,0	96,6
		H035	R200	0,01724	0,1533	58,0	100,0
		H065	R250	0,01754	0,1559	57,0	98,3
		H090	R290	0,01786	0,1588	56,0	96,6
		H100	R360				
CuAg0,10P Cu-HCP	CW016A CW021A	D		0,01818	0,1616	55,0	94,8
		H035	R200	0,01754	0,1559	57,0	98,3
		H065	R250	0,01786	0,1588	56,0	96,6
		H090	R290	0,01818	0,1616	55,0	94,8
		H100	R360				

NOTE 1 – Values in % IACS are calculated as percentages of normalized value of the high conductivity annealed copper, as are established by the International Electrotechnical Commission. Copper whose volumetric resistivity is $0,01724 \Omega \times \text{m}$, at 20°C , is defined as corresponding to a conductivity of 100%.

NOTE 2 - 1 MS/m es equivalente a $1 \text{ m}/(\Omega \times \text{mm}^2)$.

^a Calculated with a density of 8.89 g/cm^3

^b IACS: International Annealed Copper Standard.