

Electrical properties (at 20 C°)

Designations				Volume resistivity	Mass resistivity Qxg	Conductivity			
				$\frac{\Omega \times MM^2}{M}$ max.	$\frac{\Omega \times g}{M^2}$ max.	MS/m min.	% IACS ^b min.		
Symbol	Material Number	Material condition							
Cu-OFE Cu-PHCE	CW009A CW022A	annealed		0,017 07	0,151 7	58,6	101,0		
		Other than annealed		0,01724	0,153 3	58,0	100,0		
cu-ETP cu-FRHC Cu-OF CuAgO,04 CuAgO,07 CuAgO,10 CuAgO,04(OF) CuAgO,07(OF) CuAgO,10(OF) CU -PHC	CW004A CW005A CW008A CW011A CW012A CW013A CW017A CW018A CW019A CW020A	D		0,01786	0.1588	56,0	96,6		
		H035	R200	0,01724	0,1533	58,0	100,0		
		H065	R250						
		H065	R230						
		H085	R300	0,017 54	0,1559	57,0	98,3		
		H085	R280						
		H075	R260						
		H100	R350	0,01786	0,1588	56,0	96,6		
		CuAg0, 04P CuAgO,07P CuAgO, lop cu-HCP	CW014A CW015A CW016A CW021A	D		0,018 18	0,161 6	55,0	94,8
				H035	R200	0,01754	0.1559	57	98,3
H065	R250								
H065	R230								
H085	R300			0,017 86	0.1588	56	96,6		
H085	R280								
H075	R260								
H100	R350	0,018 18	0,161 6	55	94,8				

NOTE 1 The % IACS values are calculated as percentages Of the standard value for annealed high conductivity copper as laid down by the International Electrotechnical Commission Copper having a volume resistivity 0,01724 mΩ x m at 20 C°, is defined as corresponding to a conductivity Of 100 %

NOTE 2 1 MS/m S equivalent to $1 m / (\Omega \times mm^2)$

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

b IACS: International Annealed Copper Standard.