

Table 1. Resistivity of common metals

Metal	Resistivity (Ωm)
Silver	1.59×10^{-8}
Copper	1.68×10^{-8}
Aluminum	2.65×10^{-8}
Tungsten	5.61×10^{-8}
Iron	9.71×10^{-8}
Platinum	1.06×10^{-7}
Lead	2.2×10^{-7}
Mercury	9.8×10^{-7}
Nichrome	1.0×10^{-6}
Constantan	4.9×10^{-7}

Electrical Resistance Of Metals

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Electrical Resistance of Metals George T. Meaden, 2013-12-11 *Electrical Resistance of Metals* George T. Meaden, 2014-09-01 The Electrical Resistivity of Metals and Alloys Paul L. Rossiter, 1991-03-07 Now in paperback this comprehensive book is the first text devoted to the problem of understanding the electrical properties of metals and alloys Dr Rossiter well known for his work on the electrical resistivity of alloys has written a book which blends results and theory but does not rely on a strong grounding in quantum mechanics After an introduction to the basic ideas the concepts of atomic and magnetic correlations and their microstructural consequences are explained Later chapters then deal with the effects of such correlations on electrical resistivity Examples and applications of the concepts derived are given in discrete sections allowing the uninterrupted development of theory for each specific problem and enhancing the value of the book for a wide range of readers from theoretical and experimental solid state physicists to metallurgists and materials scientists Anyone with an interest in the electrical conduction process or in the application of resistivity measurements to the study of alloy configuration will find this essential reading **Electrical Resistance of Metals** George Terence Meaden (physicien), 1966

Survey of Electrical Resistivity Measurements on 8 Additional Pure Metals in the Temperature Range 0 to 273 K L. A. Hall, Frank Erhart Emmanuel Germann, 1970 **Electrical Resistance of Metals** Akademiia nauk SSSR., 1965

Survey of Electrical Resistivity Measurements on 16 Pure Metals in the Temperature Range 0 to 2730 K L. A. Hall, 1968 **The Magnetic Properties and Electrical Resistance of Iron as Dependent Upon Temperature** David K. Morris, 1897 **Physical Properties of Materials for Engineers** Daniel D. Pollock, 2020-10-07 Physical Properties of

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Approaching Absolute Zero James Dewar, Sir John Ambrose Fleming, 1892 The Effect of Pressure on the Electrical Resistance of Metals Robert Anton Stager, 1963 **The Electrical Resistance of Metals and Alloys at Temperatures Approaching the Absolute Zero** Sir James Dewar, Sir John Ambrose Fleming, 1893* Journal of the Institute of Metals Institute of Metals, 1922 Issues for Sept 1951 include the Bulletin *The Electrical Resistance of Metals Under Pressure* Percy Williams Bridgman, 1917 *Temperature Dependence of Electrical Resistivity of Metals* Lazarus Weiner, P.

Chiotti,Harley A. Wilhelm,1952 *Thermal and Electrical Resistance of Metal Contacts* Roland E. Ott,1967 *The Electrical Journal* ,1891 *Handbook of Definitions of Materials and End Products Used in "M" and "L" Orders Issued by the War Production Board Through March 1, 1943* United States. War Production Board,1943 **Catalog of National Bureau of Standards Publications, 1966-1976** United States. National Bureau of Standards. Technical Information and Publications Division,Betty L. Burris,Rebecca J. Morehouse,1978 Collected Papers of Sir James Dewar... Sir James Dewar,1927

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