

Specific Resistance

Cross-section: 1mm^2

Length: 1m

Silver	0.01 Ω
Copper	0.02 Ω
Gold	0.02 Ω
Aluminium	0.02 Ω
Tungsten	0.05 Ω
Iron	0.10 Ω
Zinc	0.11 Ω
Mercury	0.96 Ω
Coal	40.00 Ω
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Blood	$1.6 * 10^8 \Omega$
Water (distilled)	$10^{10} \Omega$
Soil	$10^8 \dots 10^{10} \Omega$
Wood	$10^{10} \dots 10^{15} \Omega$
Glass	$10^{13} \dots 10^{17} \Omega$
Paper	$10^{15} \dots 10^{16} \Omega$

Effect of Electric Currents on the Body

<i>Current (A)</i>	<i>Effect</i>
0.001	Can be felt
0.005	Is painful
0.010	Causes involuntary muscle contractions
0.015	Causes loss of muscle control
0.070	If through the heart, serious disruption; probably fatal if current lasts for more than 1s