

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	$1.6 \cdot 10^8 \Omega$
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

Current (A)	Effect
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