







Material @ 20°C	Conductivity	Appendix B
& Low frequency	[S/m]	_
Silver	6.1 x 10 ⁷	
Copper	5.8 x 10 ⁷	Conductors- have many free electrons available. Colder metals conduct better. (superconductivity)
Gold	4.1 x 10 ⁷	
Aluminum	3.5 x 10 ⁷	
Carbon	3 x 10 ⁴	
Sea water	4	
Silicon	4.4 x 10 ⁻⁴	semiconductor
Pure water	10-4	Insulators at most lower frequencies.
Dry Earth	10-5	
Glass, Quartz	10-12, 10-17	















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