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CONDUCTOR PROPERTIES COMPARISON CHART

Material	Maximum Continuous Operating Temperature	Corrosion Resistance	Solderability	Relative Weight	IACS* % Conductivity (% conductivity relative to copper)	Tensile psi	Flex Life	Processibility	Price
Bare Copper	150°C	Good (poor oxidation resistance)	Fair	1.000	100%	35	★★	★★	\$
Tin Plated Copper	150°C	Good	Good	1.000	100%	35	★★	★★	\$
Silver Plated Copper	200°C	Poor	Good	1.000	100-103%	35	★★	★★	\$\$\$
Nickel Plated Copper	260°C	Good	Poor	1.000	96%	35	★★	★★	\$\$
Copper Covered Steel	200°C	Good	Fair	0.925	18-40%	120-200	★★	★★★★	\$\$
High Strength Alloy	200°C	Poor	Good	0.980	63-90%	60-95	★★★★	★★★★	\$\$\$\$
Stainless Steel	870°C	Good	Poor	0.925	10-30%	70-300	★★★★	★★★★	\$\$\$

*International Annealed Copper Standard