



## 6 Must-Use Materials for a Powerful Transmission Line Conductor

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A transmission line is a vital portion of the power system. The existence of this aspect depends on the material utilized for formulating the conductor for the transmission line. The most suitable material is copper as it has high conductivity and high tensile stability. Further, it is also retaining good ductility. The only limit is its price. So, Aluminum is the most extensively used material in transmission lines, with sufficient conductivity and is portable. The only restriction is its poor tensile strength. To overcome this constraint steel core is utilized for gaining the tensile strength of aluminum conductors such as in [ACSR conductors](#).

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