

Superconductors

Superconductors are materials that transmit without loss any current applied to them. Unfortunately, many materials act as [superconductors](#) only when cooled to temperatures near absolute zero. The discovery of "room temperature" [superconductors](#) built around a core of specially treated [niobium](#) with [copper](#) shunting, however, made possible quantum leaps in technology. Most importantly, [superconductors](#) are key components in fusion engines and in the construction of Jump Gates and Trade Lanes.