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electrical properties of superconducting materials. One of the most important of these properties is the critical current density. The chapter also examines some specific electrical properties such as the Hall effect. tunneling, Josephson junctions, and Superconducting Page 24/36

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shows some of the
parameters of
common
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superconductors. X:Y means material X doped with element Y, TC is the highest reported transition temperature in kelvins and HC is a critical magnetic field in tesla, "BCS" means whether or not the superconductivity is explained within the BCS theory.

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