

## **Investigation of Possibility to Apply a Superconducting Cable to a Feeder**

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A superconducting cable to be applicable for power system has been recently developed. For decreasing a voltage drop and loss in a feeder of electrical railway, we have studied to apply the superconducting cable to the feeder and in a return circuit. In this paper, we report the development status of the superconducting cable for the power system, and the result of examination of a constitution of the system and an effect of its introduction in the superconducting DC-feeder.