

Next-generation high-Tc superconducting wires debut in the power grid

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http://ptonline.aip.org/journals/doc/PHTOAD-ft/vol_61/iss_1/30_1.shtml

Electric power companies are demonstrating the capacity of new flexible wire to deliver more current in less space and to limit power surges.

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Somewhere under Albany, New York, 350 meters of chilled high-temperature superconducting cable is delivering electricity at three to five times the capacity of copper.

Downstate, below the bustling streets of New York City, Consolidated Edison is making room to install space-saving HTS technology with security features in one of the world's largest systems of underground electric cables, some 34 000 kilometers of them below Manhattan alone.

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