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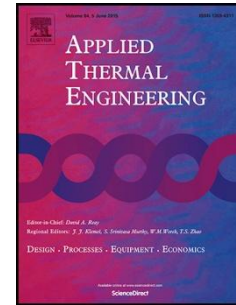
Title: How thermal conductivity of excavation materials affects the behavior of underground power cables

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Title:

HOW THERMAL CONDUCTIVITY OF EXCAVATION MATERIALS AFFECTS THE BEHAVIOR OF
UNDERGROUND POWER CABLES

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Highlights:

- Thermal analysis of installed electrical buried cables;
- Proper evaluation of the thermal resistance of the soil;
- Influence of the thermo-physical properties of the soil;
- FEM simulation of a buried cable in a trench;
- Correction of design formulas provided by regulations.

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