

INTERNATIONAL STANDARD

**Power cables with extruded insulation and their accessories for rated voltages from 1 kV ($U_m = 1,2$ kV) up to 30 kV ($U_m = 36$ kV) –
Part 4: Test requirements on accessories for cables with rated voltages from 6 kV ($U_m = 7,2$ kV) up to 30 kV ($U_m = 36$ kV)**



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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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FOREWORD

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IEC 60502-4 has been prepared by IEC technical committee 20: Electric cables. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Terminations, joints and stop ends are now characterized as either non-range-taking or range-taking and are tested accordingly.

- b) Introduction of the 240 mm² conductor size for testing non-range-taking terminations, joints and stop ends.
- c) Introduction of the 2 500 A separable connector size in Table 3 and the method of testing in Figure 5.
- d) Introduction of dynamic short-circuit classes 0, 1, 2 and 3 in 9.2.
- e) Introduction of specific requirements for test reports in Clause 10 and Clause 11 and specific recording sheets for cables, connectors and examination in Annex A, Annex B and Annex C.
- f) Option to use 2 U_0 for partial discharge testing and removal of DC testing from Table 9, Table 10, Table 11, Table 12, Table 13 and Table 14.

The text of this International Standard is based on the following documents:

Draft	Report on voting
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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 60502 series, published under the general title *Power cables with extruded insulation and their accessories for rated voltages from 1 kV ($U_m = 1,2$ kV) up to 30 kV ($U_m = 36$ kV)*, can be found on the IEC website.

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