

AS/NZS IEC 60840:2020  
IEC 60840:2020



Australian/New Zealand Standard™

**Power cables with extruded insulation and their accessories for rated voltages above 30 kV ( $U_m = 36$  kV) up to 150 kV ( $U_m = 170$  kV) — Test methods and requirements**



## AS/NZS IEC 60840:2020

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-003, Electric Wires And Cables. It was approved on behalf of the Council of Standards Australia on 9 September 2020 and by the New Zealand Standards Approval Board on 2 September 2020.

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The following are represented on Committee EL-003:

- Australian Cablemakers Association
- Australian Industry Group
- Aviation and Marine Engineers Association
- Electrical Compliance Testing Association of Australia
- Electrical Regulatory Authorities Council, Australia
- Engineers Australia
- Institute of Electrical Inspectors, Australia
- Master Electricians, New Zealand
- National Electrical and Communications Association, Australia
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This Standard was issued in draft form for comment as DR AS/NZS IEC 60840:2020.

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First published as AS/NZS 60840:2006.  
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## Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Wires and Cables, to supersede AS/NZS 60840—2006, *Power cables with extruded insulation and their accessories for rated voltages above 30 kV ( $U_m = 36$  kV) up to 150 kV ( $U_m = 170$  kV) — Test methods and requirements*.

The objective of this document is to specify test methods and requirements for power cable systems, cables alone and accessories alone, for fixed installations and for rated voltages above 30 kV ( $U_m = 36$  kV) up to and including 150 kV ( $U_m = 170$  kV).

The requirements apply to single-core cables and to individually screened three-core cables and to their accessories for usual conditions of installation and operation, but not to special cables and their accessories, such as submarine cables and their accessories, for which modifications to the standard tests or the setup of special test conditions can be necessary.

This document does not cover transition joints between cables with extruded insulation and paper insulated cables.

This document is identical with, and has been reproduced from, IEC 60840:2020, *Power cables with extruded insulation and their accessories for rated voltages above 30 kV ( $U_m = 36$  kV) up to 150 kV ( $U_m = 170$  kV) — Test methods and requirements*.

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