

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.

This Standard was published on 23 October 2020.

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
- Queensland University of Technology
- WorkSafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS IEC 60840:2020.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

www.standards.govt.nz

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

First published as AS/NZS 60840:2006.
Jointly revised and redesignated as AS/NZS IEC 60840:2020.



© IEC 2020 — All rights reserved

© Standards Australia Limited/the Crown in right of New Zealand, administered by the New Zealand Standards Executive 2020

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of either the IEC or the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth) or the Copyright Act 1994 (New Zealand). If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please see the contact details on the back cover or the contact us page of the website for further information.

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*.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

NOTES

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-