AS 60092.350—2005
IEC 60092-350, Ed. 2 (2001)

AS 60092.350—2005

Australian Standard™

Electrical installations in ships

Part 350: Shipboard power cables—General construction and test requirements

This Australian Standard was prepared by Committee EL-003, Electric Wires and Cables. It was approved on behalf of the Council of Standards Australia on 9 November 2005.
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The following are represented on Committee EL-003:

Australasian Railway Association
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Canterbury Manufacturers Association New Zealand
Department of Defence (Australia)
Department of Primary Industries, Mine Safety (NSW)
Electrical Contractors Association of New Zealand
Electrical Regulatory Authorities Council
Energy Networks Association
Engineers Australia
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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Wires and Cables. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify the general constructional and test requirements for shipboard cables for power systems at voltages up to and including 8.75/15 kV.

This Standard is identical with, and has been reproduced from IEC 60092-350, Ed. 2 (2001), *Electrical installations in ships—Part 350: Shipboard power cables—General construction and test requirements*.

As this Standard is reproduced from an International Standard, the following applies:

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text 'IEC 60092' should read 'AS 60092'.

(c) A full point should be substituted for a comma when referring to a decimal marker.

The terms 'normative' and 'informative' are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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1 Scope

This part of IEC 60092 specifies the general constructional requirements and general test recommendations for shipboard cables with copper conductors intended for power systems at voltages up to and including 8,7/15 kV.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60092. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60092 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

~~IEC 60092-351, *Electrical installations in ships – Part 351: Insulating materials for shipboard and mobile and fixed offshore units, power, telecommunication and control data cables*~~

AS 60092.351, *Electrical installations in ships*, Part 351: *Insulating materials for shipboard and offshore units, power, control, instrumentation, telecommunication and data cables* (identical to IEC 60092-351)

~~IEC 60092-359, *Electrical installations in ships – Part 359: Sheathing materials for shipboard power and telecommunication cables*~~

AS 60092.359, *Electrical installations in ships*, Part 359: *Sheathing materials for shipboard power and telecommunication cables* (identical to IEC 60092-359)

IEC 60228, *Conductors of insulated cables*

~~IEC 60331, *Tests for electric cables under fire conditions – Circuit integrity* (all parts)~~

AS/NZS 1660.5.5, *Test methods for electric cables, cords and conductors*, Method 5.5: *Fire tests—Circuit integrity*

~~IEC 60332-3, *Tests on electric cables under fire conditions – Part 3: Tests on bunched wires or cables*~~

AS/NZS 1660.5.1, *Test methods for electric cables, cords and conductors*, Method 5.1: *Fire tests—Test for vertical flame spread of vertically-mounted bunched wires or cables*