

AS 3000—1991

Australian Standard[®]

SAA Wiring Rules

SAA WIRING RULES

This Australian Standard was prepared by Committee EL/1, Wiring Rules. It was approved on behalf of the Council of Standards Australia on 29 August 1991 and published on 9 December 1991.

The following interests are represented on Committee EL/1:

Association of Consulting Engineers Australia
Australia Consumers Association
Australian Electrical and Electronic Manufacturers Association
Confederation of Australian Industry
Department of Administrative Services
Electrical Contractors Associations of Australia
Electrical Regulatory Authorities
Electrical Trades Union of Australia
Electricity Supply Association of Australia
Institute of Electrical Inspectors
Institute of Engineers Australia
Insurance Council of Australia
Telecom Australia

Additional interests participating in preparation of Standard:

Major users
State Government Departments and Instrumentalities
State Professional Associations
State Trade Associations

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

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Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 90045.

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Australian Standard®

**Electrical installations — Buildings,
structures and premises**

known as the

SAA Wiring Rules

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PREFACE TO THE TENTH (1991) EDITION

This edition of this Standard was prepared by the Standards Australia Committee on Wiring Rules and supersedes AS 3000—1986.

This edition is based on the following considerations:

- (a) Experience gained in the application of the ninth (1986) edition as expressed to Standards Australia in terms of miscellaneous enquiries and comment on that edition.
- (b) The five amendments and numerous Rulings to the ninth edition.
- (c) New materials and installation techniques developed since the publication of the ninth edition.

In addition, during the preparation of this edition consideration was given to the published sections of IEC 364 containing internationally agreed requirements for the electrical installations of buildings.

Work on the preparation of this edition commenced in June 1989 with a call for comment on the ninth edition by means of appropriate announcements in the technical press. The comment received was considered in detail by a number of State and specialist subcommittees after which preliminary drafts were prepared.

A draft for comment was prepared which was not only circulated to Committee EL/1, its subcommittees and other interests, but was also made available to the general public to encourage comment from individuals who made use of AS 3000. The large number of comments received were then considered by the subcommittees, after which a postal ballot was prepared by and circulated to Committee EL/1 in February 1991 for ratification. At a meeting of Committee EL/1 held in May 1991 the postal ballot draft was formally ratified and all matters arising from the ballot were resolved.

The presentation of this edition has not changed from the ninth edition after Committee EL/1 decided to retain the format which involved an arrangement of text into different typefaces to indicate the nature of different material. This format was adopted in order to render the Standard more readable and understandable. The order of sections, and in most cases clauses, is unchanged. This concept received wide support at the draft for comment stage and thus was adopted for the published Standard. An explanation of this presentation is contained in the Foreword.

Even though AS 3008.1 gives detailed information on cable selection, Appendix B has been retained for conductor sizes and installation methods which would generally be applicable to domestic and small commercial/industrial installations.

An electric shock survival chart has been included, however it must be emphasized that the information is provided only for guidance. It is recommended that persons associated with the installation or repair of electrical installations obtain training in resuscitation methods.

The SAA Wiring Rules are applied throughout Australia by means of State and Territory Acts and Regulations. In general these Acts and Regulations specify compliance with the Rules; however, because of local requirements, some variation to specific clauses may be called for by means of these Acts and Regulations.

As Clause 1.3.1.1 requires all material and equipment used in an installation to comply with Approval and Test Specifications or the safety requirements of other Standards, cross-references to these Standards have generally not been included.

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