

Australian/New Zealand Standard™

**Approval and test specification — Cord
extension sets**



AS/NZS 3199:2020

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 10 December 2019 and by the New Zealand Standards Approval Board on 18 December 2019.

This Standard was published on 24 January 2020.

The following are represented on Committee EL-004:

- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Consumer Electronics Suppliers Association
- Consumers Federation of Australia
- Electrical Compliance Testing Association of Australia
- Electrical Regulatory Authorities Council
- Engineers Australia
- International Accreditation New Zealand
- Joint Accreditation System of Australia and New Zealand
- National Electrical and Communications Association
- New Zealand Manufacturers and Exporters Association
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This Standard was issued in draft form for comment as DR AS/NZS 3199:2019.

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ISBN 978 1 76072 697 3

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Originated as AS 3199—1982.
Jointly revised and designated AS/NZS 3199:2000.
Fourth edition 2020.

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories, to supersede AS/NZS 3199:2007.

AS/NZS 3199:2007 will also remain current for 24 months after the date of publication of this Standard and after this time it will be superseded by AS/NZS 3199:2020. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements.

This Standard specifies requirements for low voltage cord extension sets consisting of a flexible cord, a three-pin plug or socket outlet adaptor and a single cord extension socket, and intended for detachable connection to fixed wiring.

This Standard is one of a series to be read in conjunction with AS/NZS 3100, *Approval and test specification — General requirements for electrical equipment*. The purpose of the series is to outline the conditions to be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

The essential safety requirements of AS/NZS 3820 that could be applicable to cord extension sets are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

This Standard was revised to incorporate the following changes:

- (a) A socket outlet adaptor is recognized as an alternative means of supply connection.
- (b) Tests referred to in [Clauses 7.2, 7.3, 7.4, 7.5](#) and [7.6](#) have been replaced with references to the same tests located in other Standards.
- (c) Inclusion of references to additional flexible supply cord Standards.
- (d) Minor editorial changes.

This Standard does not provide all the necessary conditions for a contract.

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NOTES

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1 Scope

This Standard sets out safety requirements for cord extension sets intended for use at low voltage, including cord extension sets with a separable reeling or coiling device.

Cord extension sets incorporating an integral reeling or coiling device are excluded from this Standard and are covered by AS/NZS 3105.

2 Referenced documents

The following documents are referred to in this Standard:

AS/NZS 3100, *Approval and test specification — General requirements for electrical equipment*

AS/NZS 3105, *Approval and test specification — Electrical portable outlet devices*

AS/NZS 3112, *Approval and test specification — Plugs and socket-outlets*

AS/NZS 3120, *Approval and test specification — Cord extension sockets*

AS/NZS 3122, *Approval and test specification — Socket-outlet adaptors*

AS/NZS 3191, *Electric flexible cords*

AS/NZS 3820, *Essential safety requirements for low voltage electrical equipment*

AS/NZS 60227.5, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Flexible cables (cords)*

AS/NZS 60245.4, *Rubber insulated cables — Rated voltage up to and including 450/750 V — Cords and flexible cables*

3 Definition

For the purpose of this Standard, the following definition applies.

3.1

cord extension set

an assembly of —

- (a) a plug or a socket outlet adaptor;
- (b) a sheathed flexible cord; and
- (c) a cord extension socket.

4 Conformance with specifications

4.1 General requirements of AS/NZS 3100

This Standard shall be read in conjunction with AS/NZS 3100, and the appropriate provisions of AS/NZS 3100 shall apply to the construction of the cord extension set and the insulation and/or safeguarding of parts which normally carry current.