AS/NZS 4325.1:1995
IEC 1238-1:1993
Reconfirmed 2016

Australian/New Zealand Standard®

Compression and mechanical connectors for power cables with copper or aluminium conductors

Part 1: Test methods and requirements

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/4, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 13 June 1995 and on behalf of the Council of Standards New Zealand on 24 July 1995. It was published on 5 October 1995.

The following interests are represented on Committee EL/4:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Electronic Suppliers Association, Australia
Electricity Supply Association, Australia
Ministry of Commerce, New Zealand
National Electrical Contractors Association, Australia
New Zealand Manufacturers Federation
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Regulatory authorities (Electrical), Australia
The Plastics Industry Association, Australia

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Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand 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 94100.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF
AS/NZS 4325.1:1995
Compression and mechanical connectors for power cables with copper or aluminium conductors
Part 1: Test methods and requirements

RECONFIRMATION NOTICE

Technical Committee EL-004 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

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The following are represented on Technical Committee EL-004:

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Plastics Industry Pipe Association of Australia

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STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/4 on Electrical Accessories, as a Joint Standard. It was prepared to align Australian and New Zealand Standards progressively with International Electrotechnical Commission (IEC) Standards for electrical accessories.

The object of the Standard is to provide test methods and requirements for two classes of connectors for power cables. Class A connectors for electricity distribution or industrial networks and Class B connectors for networks in which overloads or short circuits are restricted by protective devices.

This Standard is equivalent in technical content but not in full presentation to IEC 1238-1:1993, *Compression and mechanical connectors for power cables with copper or aluminium conductors,* Part 1: *Test methods and requirements*.

A number of variations have been made in this Standard to the requirements of IEC 1238-1:1993. These variations are necessary to take into account the national requirements for compression and mechanical connectors that apply in both Australia and New Zealand. The variations are contained in Appendix ZZ. Clauses, notes and figures subject to variation are indicated by a marginal bar.

The numbering of clauses, notes and figures closely follows those of IEC 1238-1:1993. To allow additional material to be introduced by Australia or New Zealand, the numbers 201 to 300 are used. This scheme has been introduced to reduce the likelihood of the IEC and Standards Australia or Standards New Zealand using the same numbers for different 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, 'this International Standard' should read 'this Australian/New Zealand Standard'.

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References to International Standards should be replaced by equivalent Australian or Australian/New Zealand Standards as follows:

Reference to International Standard		*Australian Standard*	
IEC		AS	
27	Letter symbols to be used in electrical technology	1046	Letter symbols for use in electrotechnology
27-1	Part 1: General	1046.1	Part 1: General
228	Conductors of insulated cables	1125	Conductors in insulated electric cables and flexible cords
228A	First supplement. Guide to the dimensional limits of circular conductors	—	
724	Guide to the short-circuit temperature limits of electric cables with a rated voltage not exceeding 0.6/1.0 kV	3008	Electrical installations—Selection of cables
		3008.1	Cables for alternating voltages up to and including 0.6/1 kV

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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