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AS/NZS 1660-3:1998

Amendment 1—May 1995

AS 1660.3—1993

Australian Standard®

**Test methods for electrical cables,
cords and conductors**

Method 3: Electrical tests

STANDARDS AUSTRALIA


This Australian Standard was prepared by Committee EL/3, Electric Wires and Cables. It was approved on behalf of the Council of Standards Australia on 10 July 1993 and published on 11 October 1993.

The following interests are represented on Committee EL/3:

Australian Electrical and Electronic Manufacturers Association
Department of Defence
Office of Energy, N.S.W
Electrical Contractors Association of Australia
Electrical regulatory authorities
Railways of Australia Committee
Testing interests

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This Standard was issued in draft form for comment as DR 92147.

18 MAY 1994

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 1660.3—1993
Test methods for electric cables, cords and conductors
Method 3: Electrical tests

REVISED TEXT

The 1993 edition of AS 1660.3 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Page 7

Published on 16 May 1994.

AMDT
No. 1
MAY
1994

Page 7 Clause 3.1.2(b)

Delete the Clause and *substitute*

(b) *Insulation* The potential difference between the test electrode and the conductor of the core or cable under test shall be the value specified in Table 3.0.

TABLE 3.0
SPARK TEST VOLTAGE VALUES FOR
CONTACT ELECTRODES

Tabulated radial thickness of insulation* mm	Test voltage, kV	
	a.c. (r.m.s.)	d.c.
≤0.25	3	5
>0.25 ≤0.5	4	6
>0.5 ≤1.0	6	9
>1.0 ≤1.5	10	15
>1.5 ≤2.0	15	23
>2.0 ≤2.5	20	30
>2.5	25	38

* Where more than one thickness is given, the minimum value is to be used.

AS 1660.3—1993

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PREFACE

This Standard was prepared by the Standards Australia Committee on Electric Wires and Cables to replace AS 1660.3—1986, *Methods of test for electric cables, cords and conductors, Part 3: Electrical tests*. It is one of a set of tests for electric cables included in the AS 1660 series. Details of the whole series are given in an Appendix.

This Standard differs from the 1986 edition as follows:

- (a) Tests are to be conducted at ambient temperature, unless otherwise specified.
- (b) The high voltage d.c. test after installation has been deleted.
- (c) The test tables for flexible cords have been amended to correspond with the cords in AS 3191—1991, *Approval and test specification—Electric flexible cords*.
- (d) Insulation resistance tests for fluoropolymer insulated flexible cords have been deleted.
- (e) Partial discharge, impulse and spark tests have been revised.
- (f) Appendix A has been added.

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