

Australian/New Zealand Standard™

**Electric cables—Impregnated paper
insulated—For working voltages up to
and including 19/33 (36) kV**



AS/NZS 1026:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-003, Electric Wires and Cables. It was approved on behalf of the Council of Standards Australia on 13 February 2004 and on behalf of the Council of Standards New Zealand on 5 March 2004. It was published on 29 April 2004.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
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Electric cables—Impregnated paper insulated—For working voltages up to and
including 19/33 (36) kV

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NOTES

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee, EL-003 Electric Wires and Cables to supersede AS 1026—1992 and NZS/AS 1026—1992, *Electric cables—Impregnated paper insulated—Working voltages up to and including 33 kV*.

The objective of this Standard is to specify the construction, dimensions and tests for paper insulated and lead alloy sheathed cables for working voltages up to and including 19/33 (36) kV.

In the preparation of this Standard, consideration was given to IEC 60055-1, *Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables)* Part 1: *Tests on cables and their accessories*, IEC 60055-2, *Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables)* Part 2: *General and construction requirements*, and BS 6480, *Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltage up to and including 33 000 V*. The Standards Australia/Standards New Zealand Committee concurs with the comment in the Foreword of BS 6480 that, because of different local and regional requirements, it has not been possible to adopt the IEC Publication as a national Standard. Consequently, the construction and voltage ratings of cables in the Australian/New Zealand Standard have not been changed from the previous edition and are identical with corresponding cables in BS 6480.

Acknowledgment is made of the content extracted from BS 6480 and IEC 60055.

This Standard differs from the 1992 edition in the following significant ways:

- (a) The Standard is published as a Joint Australian/New Zealand Standard.
- (b) 0.6/1 (1.2) kV single-core, two-core and three-core cable constructions and all 1.9/3.3 (3.6) kV cable constructions have been deleted.
- (c) Bedding and armour have been designated as optional processes.
- (d) PE and LLDPE have been included as additional extruded bedding and non-metallic sheathing materials.
- (e) Extruded bedding and non-metallic sheathing materials have been referenced to AS/NZS 3808.
- (f) An internal cable pressure test has been included.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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