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AS/NZS 1802:2003

AS/NZS 1802

Australian/New Zealand Standard™

Electric cables—Reeling and trailing—For underground coal mining

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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 2 September 2003 and on behalf of the Council of Standards New Zealand on 9 September 2003. It was published on 7 November 2003.

The following are represented on Committee EL-003:

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Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Canterbury Manufacturers Association New Zealand
Department of Defence (Australia)
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Australian/New Zealand Standard™

Electric cables—Reeling and trailing—For underground coal mining

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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/NZS 1802:1995 *Electric cables—Reeling and trailing—For underground coal mining purposes*.

The Standard aligns with AS/NZS 2802 *Electric cables—Reeling and trailing—For mining and general use (other than underground coal mining)* for cables that have been developed to meet the special requirements of the Australian surface mining industry.

The objective of this Standard is to specify construction and tests of reeling and trailing cables specifically designed for use in underground coal mines.

Where the method of testing differs from, or has not yet been included in AS/NZS 1660, the test method has been included in Clause 25 and appendices to this Standard.

While the requirements of underground coal mining continue to determine the cables to be incorporated in this Standard, it is recognized that many of these cables will be equally applicable to other installations, e.g. underground metalliferous mines, ship loaders, travelling cranes, reclaimers at loading stations and other materials handling plant. Other requirements may apply in these applications.

Appropriate requirements for new types and sizes will be included in this Standard as the need arises.

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

(a) Type 217 and Type 280A cables have been deleted.

(b) Insulation and sheathing materials have been referenced to AS/NZS 3808.

(c) The definition of voltage designation has been modified to align with AS/NZS 2802.

(d) The nominal overall diameters of cables have been deleted from the tables of dimensions. Consequently Appendix D has been deleted.

(e) The extruded covering on interstitial conductors of Type 240 and Type 260 cables is now termed insulation.

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.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

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