

Australian/New Zealand Standard™

**Mineral insulated cables and their
terminations with a rated voltage not
exceeding 750 V**

Part 2: Terminations



AS/NZS 60702.2:2005

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 28 October 2005 and on behalf of the Council of Standards New Zealand on 4 November 2005.

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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
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Australian/New Zealand Standard[™]

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V

Part 2: Terminations

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Completely revised and redesignated AS/NZS 60702.2:2005.

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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 3188:1995, *Approval and test specification—Terminations and glands for mineral-insulated metal-sheathed cables*.

The objective of this Standard is to specify terminations and glands for mineral-insulated metal-sheathed cables complying with the requirements of AS/NZS 60702.1.

This Standard is identical with, and has been reproduced from IEC 60702-2, Ed. 2 (2002), *Mineral insulated cables and their terminations with a rated voltage not exceeding 72.5 kV, Part 2: Terminations*.

Variations to IEC 60702-2, Ed. 2 (2002) are indicated at the appropriate places throughout this standard. Strikethrough (**example**) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (**example**). Added figures are not themselves shaded, but are identified by a shaded border.

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- (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 IEC 60702-2 should read AS/NZS 60702-2.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

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Australian/New Zealand Standard**Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V
Part 2: Terminations****1 Scope**

This standard specifies requirements for terminations for use with mineral insulated cables complying with the requirements of IEC 60702-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

~~IEC 60079-0:1998, Electrical apparatus for explosive gas atmospheres – Part 0: General requirements~~

AS/NZS 60079.0:2005, Electrical apparatus for explosive gas atmospheres, Part 0: General requirements (identical to IEC 60079-0:2004)

IEC 60364-5-54:1980, *Electrical installations of buildings – Part 5: Selection and erection of electrical equipment – Chapter 5: Earthing arrangements and protective conductors*

IEC 60423:1993, *Conduits for electrical purposes – Outside diameters of conduits for electrical installations and threads for conduits and fittings*

~~IEC 60702-1:2002, Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 1: Cables~~

AS/NZS 60702.1:2005, Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V, Part 1: Cables.

3 Definitions

For the purpose of this part of IEC 60702, the following definitions apply.

3.1 termination

complete end fitting for a mineral insulated cable, normally comprising a seal and a gland or a composite seal/gland device, but excluding the locknut and any associated junction box or accessory