

AS/NZS 3166:1993

Reconfirmed 2017

Australian/New Zealand Standard

Approval and test specification— Cables for high voltage luminous discharge tube installations

AS/NZS 3166:1993

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/3, Electric Wires and Cables. It was approved on behalf of the Council of Standards Australia on 30 March 1993 and on behalf of the Council of Standards New Zealand on 8 June 1993. It was published on 14 June 1993.

The following interests are represented on Committee EL/3:

Australian Electrical and Electronic Manufacturers Association
Department of Defence
Electrical Contractors Associations of Australia
Electrical regulatory authorities
Electricity Supply Association of Australia
Ministry of Commerce (Energy Inspection), New Zealand
Neon sign industry
New Zealand Manufacturers Federation
Office of Energy, New South Wales
Railways of Australia Committee
Testing interests

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This Standard was issued in draft form for comment as DR 92024.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 3166:1993

Approval and test specification—Cables for high voltage luminous discharge tube installations

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Technical Committee EL-003 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.

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The following are represented on Technical Committee EL-003:

Australian Cable Makers' Association
Australian Industry Group
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
National Electrical and Communications Association
Queensland University of Technology

NOTES

Australian/New Zealand Standard

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PREFACE

This Standard is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Electric Wires and Cables to supersede AS 3166—1976, *Approval and test specification for PVC insulated cables for electric signs and high voltage luminous discharge tube installations*.

The nominal cross-sectional area of the conductor specified is taken from AS 1125—1993, *Conductors in insulated electric cables and flexible cords*, and is identical with the value recommended in IEC Publication 228:1978, *Conductors of insulated cables*.

This Standard differs from the 1976 edition as follows:

- (a) The cable insulation has been changed from V-75 PVC to silicone or ethylene propylene elastomer. Only one conductor size of 1.5 mm² has been specified.
- (b) The braided copper screen and non-metallic sheath have been deleted.
- (c) Cable marking requirements have been altered and Appendix A of the previous edition has been omitted.
- (d) Tests have been revised. A long-term breakdown test and corresponding new Appendix B, stating the method of test, have been added.
- (e) Installation requirements have been provided in new Appendix A.

In the preparation of this Standard, consideration was given to BS 5055—1991, *Elastomer insulated cables for electric signs and high voltage luminous discharge tube installations*, and acknowledgment is made of the assistance received from this source.

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