

Australian Standard™

**Electric cables—Glass fibre insulated—
For working voltages up to and
including 0.6/1 (1.2) kV**



This Australian Standard was prepared by Committee EL-003, Electric Wires and Cables. It was approved on behalf of the Council of Standards Australia on 16 January 2004 and published on 20 February 2004.

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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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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 3158—2004

**Electric cables—Glass fibre insulated—For working voltages up to and including
0.6/1 (1.2) kV**

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 10 October 2016.

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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. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard. It supersedes AS 3158—1994, *Approval and test specification—Electric cables—Glass fibre insulated for working voltages up to and including 0.6/1 kV*.

The objective of this Standard is to provide manufacturers and suppliers with construction details, dimensions and tests for cables, flexible cables and flexible cords insulated with glass fibre for use in electrical installations at working voltages up to and including 0.6/1 (1.2) kV.

This Standard differs from the 1994 edition in the following significant ways:

- (a) Glass fibre insulated flexible cords have been included.
- (b) The insulation thickness for cables with 4 mm² conductor sizes has been increased to 1.0 mm to align with the insulation thickness of the equivalent flexible cord.
- (c) The tables of dimensions have been deleted.

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 and figures are deemed to be requirements of this Standard.

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