

Australian/New Zealand Standard™

**Electric cables—Cross-linked  
polyethylene insulated—Aerial  
bundled—For working voltages up to  
and including 0.6/1 (1.2) kV**

**Part 2: Copper conductors**

## **AS/NZS 3560.2:2003**

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 4 June 2003 and on behalf of the Council of Standards New Zealand on 24 June 2003. It was published on 17 July 2003.

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Australian Electrical and Electronic Manufacturers Association  
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Department of Defence, Australia  
Department of Mineral Resources, N.S.W.  
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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**RECONFIRMATION**

**OF**

**AS/NZS 3560.2:2003**

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

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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 was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Wire and Cables, and is based on draft Standard ESAA 2.2f(1)—1991 prepared by representatives from the Electricity Supply Association of Australia and Australian cable manufacturers.

The objective of this Standard is to specify construction, dimensions and tests for 0.6/1 (1.2) kV rated cross-linked polyethylene insulated aerial bundled cables.

This Standard is published in two parts. These are:

AS/NZS

3560 Electric cables—Cross-linked polyethylene insulated—Aerial bundled—For working voltages up to and including 0.6/1 (1.2) kV

3560.1 Part 1: Aluminium conductors

3560.2 Part 2: Copper conductors (this Standard)

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.

## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	4
1.2 REFERENCED DOCUMENTS.....	4
1.3 DEFINITIONS.....	5
SECTION 2 CONSTRUCTION	
2.1 CONDUCTORS .....	6
2.2 CONDUCTOR OPERATING TEMPERATURE .....	6
2.3 INSULATION .....	6
2.4 IDENTIFICATION OF CORES .....	6
2.5 METRE MARKING .....	7
2.6 LAY-UP OF CORES .....	7
2.7 ADDITIONAL CORES .....	7
2.8 MANUFACTURER'S IDENTIFICATION .....	7
2.9 DRUMS .....	7
2.10 PREPARATION FOR DELIVERY .....	9
2.11 MARKING OF DRUMS.....	9
SECTION 3 TESTS	
3.1 GENERAL.....	11
3.2 TYPE TESTS.....	11
3.3 ROUTINE TESTS .....	11
3.4 SAMPLE TESTS .....	11
APPENDICES	
A PURCHASING GUIDELINES.....	14
B A GUIDE TO CABLE SELECTION .....	15
C TEST FOR CONDUCTOR BREAKING LOAD .....	18
D MEASUREMENT OF PROFILE OF RIBS .....	20

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies the construction, dimensions and tests for 0.6/1 (1.2) kV rated cross-linked polyethylene insulated aerial bundled cables (ABC) of 2, 3 or 4 cores having hard drawn copper conductors with cross-sectional areas of 6 mm<sup>2</sup>, 10 mm<sup>2</sup>, 16 mm<sup>2</sup> and 25 mm<sup>2</sup>.

Mechanical fittings designed for use with these aerial bundled cables are specified in AS 3766.

Cable construction, identification and preparation for delivery requirements are specified in Section 2 and tests in Section 3.

## NOTES:

- 1 See Appendix A for guidelines on information that should be supplied with enquiries or orders.
- 2 See Appendix B for technical data on cables and a guide to cable selection.

**1.2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

- |        |  |
|--------|--|
| 2193   | Calibration and classification of force-measuring systems  |
| 2706   | Numerical values—Rounding and interpretation of limiting values                                    |
| 3599   | Electric cables—Aerial bundled—Polymeric insulated—Voltages<br>6.35/11 (12) kV and 12.7/22 (24) kV |
| 3599.1 | Part 1: Metallic screened  |
| 3766   | Mechanical fittings for low voltage aerial bundled cables  |

## AS/NZS

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|----------|--|
| 1125     | Conductors in insulated electric cables and flexible cords   |
| 1660     | Test methods for electric cables, cords and conductors   |
| 1660.1   | Method 1: Conductors and metallic components   |
| 1660.2.1 | Method 2.1: Insulation, extruded semi-conductive screens and non-metallic<br>sheaths—Methods for general application   |
| 1660.3   | Method 3: Electrical tests   |
| 3008     | Electrical installations—Selection of cables   |
| 3008.1.1 | Part 1.1: Cables for alternating voltages up to and including 0.6/1 kV—<br>Typical Australian installation conditions  |
| 3008.1.2 | Part 1.2: Cables for alternating voltages up to and including 0.6/1 kV—<br>Typical New Zealand installation conditions |
| 3808     | Insulating and sheathing materials for electric cables   |