

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



Standards Australia



**STANDARDS
NEW ZEALAND**
Paerewa Aotearoa

AS/NZS 3560.2:2003

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 3560.2:2003

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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 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.

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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 mm², 10 mm², 16 mm² and 25 mm².

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 6.35/11 (12) kV and 12.7/22 (24) kV
3599.1	Part 1.1: Metallic screened
3766	Mechanical fittings for low voltage aerial bundled cables
AS/NZS	
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 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—Typical Australian installation conditions
3008.1.2	Part 1.2: Cables for alternating voltages up to and including 0.6/1 kV—Typical New Zealand installation conditions
3808	Insulating and sheathing materials for electric cables