

Australian/New Zealand Standard™

**Conduits and fittings for electrical  
installations**

**Part 2: Rigid plain conduits and fittings  
of insulating material**



Standards Australia



STANDARDS  
NEW ZEALAND  
*Te Kaitiaki Take Kōwhiri  
Mātanga*

## **AS/NZS 2053.2:2001**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 21 May 2001 and on behalf of the Council of Standards New Zealand on 8 June 2001. It was published on 12 July 2001.

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The following interests are represented on Committee EL-004:  
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Australian Electrical and Electronic Manufacturers Association  
Canterbury Manufacturers Association, New Zealand  
Consumer Electronics Suppliers Association  
Electricity Supply Association of Australia  
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# Australian/New Zealand Standard™

## Conduits and fittings for electrical installations

### Part 2: Rigid plain conduits and fittings of insulating material

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories to supersede AS/NZS 2053.2:1995, *Conduits and fittings for electrical installations Part 2: Rigid plain conduits and fittings of insulating material* upon publication.

The objective of this Standard is to provide manufacturers, regulators, test laboratories and users with specific requirements for rigid plain conduits and fittings of insulating material.

This Joint Standard is Part 2 of the following series:

### AS/NZS

2053	Conduits and fittings for electrical installations
2053.1	Part 1: General requirements
2053.2	Part 2: Rigid plain conduits and fittings of insulating material (this Standard)
2053.3	Part 3: Rigid plain conduits and fittings of fibre-reinforced concrete material
2053.4	Part 4: Flexible plain conduits and fittings of insulating material
2053.5	Part 5: Corrugated conduits and fittings of insulating material
2053.6	Part 6: Profile-wall, smooth-bore conduits and fittings of insulating material
2053.7	Part 7: Rigid metal conduits and fittings
2053.8	Part 8: Flexible conduits and fittings of metal or composite material

The clauses in this Part add to, or modify, the corresponding clauses in Part 1. Where the text of this Part indicates an 'addition' or a 'replacement' of the relevant clause of Part 1, these changes are made to the relevant text in Part 1 which then becomes part of this Standard.

Where no change is necessary, the words, 'This Clause in Part 1 is applicable' are used in this Part.

Clauses, tables and figures supplementary to those in Part 1 are numbered from 101. Additional appendices are called AA, BB, and so on.

This Standard was revised to introduce the following changes:

- (a) Amendments 1 and 2 have been incorporated into the text.
- (b) Clause 6.101 has been added.
- (c) Clause 9.5 has been modified.
- (d) Clause 14 has been added.
- (e) Miscellaneous editorial changes.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard**  
**Conduits and fittings for electrical installations**

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Part 2: Rigid plain conduits and fittings of insulating material

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**1 SCOPE AND REFERENCED DOCUMENTS****1.1 Scope**

This Standard specifies requirements for rigid plain non-threadable conduits and fittings that are made of insulating material and are used for the protection of cables in electrical installations.

This Standard shall be read in conjunction with AS/NZS 2053.1. The requirements of Part 1 apply except where they are added to, or modified by, this Standard.

**1.2 Referenced documents**

This Clause in Part 1 is applicable, except as follows:

*Addition:*

AS/NZS

1462 Methods of test for unplasticized PVC pipes and fittings

1462.1 Part 1: Method for determining the dimensions of pipes and fittings

1477 PVC pipes and fittings for pressure applications

2053 Conduits and fittings for electrical installations

2053.1 Part 1: General requirements

ISO

3290 Rolling bearings—Balls—Dimensions and tolerances

**2 DEFINITIONS**

This Clause in Part 1 is applicable.

**3 GENERAL REQUIREMENTS**

This Clause in Part 1 is applicable.

**4 GENERAL NOTES ON TESTS**

This Clause in Part 1 is applicable.

**5 CLASSIFICATION**

This Clause in Part 1 is applicable, except as follows:

5.1(a), 5.1(c), 5.1(d), 5.2(a), 5.4(b), 5.4(c), 5.4(d), 5.6(b), 5.7(a), 5.7(b), 5.7(d), 5.8.3.2 and 5.8.5(a) are not applicable.