

Australian/New Zealand Standard™

Conduit systems for cable management

**Part 21: Particular requirements—Rigid
conduit systems**



AS/NZS 61386.21:2015

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 16 January 2015 and on behalf of the Council of Standards New Zealand on 20 January 2015.
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The following are represented on Committee EL-004:

Australian Chamber of Commerce and Industry
Australian Industry Group
Consumer Electronics Suppliers Association
Consumers Federation of Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
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AS/NZS 61386.21:2015
(Incorporating Amendment No. 1)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories. This Standard will run in parallel with AS/NZS 2053.2:2001, *Conduits and fittings for electrical installations, Part 2: Rigid plain conduits of insulating materials*, AS/NZS 2053.6:2001, *Rigid conduit and fittings for electrical installations, Part 6: Profile-wall, smooth-bore conduits and fittings of insulating material* and AS/NZS 2053.7:2002, *Conduits and fittings for electrical installations, Part 7: Rigid metal conduits and fittings*. It is the intention of Committee EL-004 that AS/NZS 2053.2, AS/NZS 2053.6 and AS/NZS 2053.7 will be withdrawn at some appropriate future time.

This Standard incorporates Amendment No. 1 (April 2020). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide Australian and New Zealand electrical industries with requirements for rigid conduit systems for cable management.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment that could be applicable to cable management systems* are covered by this Standard.

A1 | The objective of Amendment 1 is to correct typographical errors.

This Standard is based on but not equivalent to IEC 61386-21, Ed.1.0 (2002), *Conduit systems for cable management, Part 21: Particular requirements—Rigid conduit systems*.

The main areas of variation from IEC include the following:

- (a) Requirements for profile wall smooth bore conduit and fittings.
- (b) Marking requirements.
- (c) Dimensional requirements.

This Standard is Part 21 of the AS/NZS 61386 series of Standards on conduit systems. It specifies particular requirements for rigid conduit systems and is to be used in conjunction with AS/NZS 61386.1, which specifies general requirements for conduit systems.

This Part 21 supplements or modifies the corresponding clauses of AS/NZS 61386.1. Where a particular clause or subclause of Part 1 is not mentioned in the Part 21, that clause applies as far as is reasonable. Where this Part 21 states ‘*addition*’, ‘*modification*’ or ‘*replacement*’, the relevant text of Part 1 is to be adapted accordingly.

Subclauses, tables and figures, which are in addition to those in Part 1 are numbered starting with 201.

This series comprises of the following:

AS/NZS	
61386	Conduit systems for cable management
61386.1	Part 1: General requirements
61386.21	Part 21: Particular requirements—Rigid conduit systems (this Standard)
61386.22	Part 22: Particular requirements—Pliable conduit systems
61386.23	Part 23: Particular requirements—Flexible conduit systems

Statements expressed in mandatory terms in footnotes to tables are deemed to be required of this Standard.

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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