

Australian/New Zealand Standard™

Conduit systems for cable management

**Part 23: Particular requirements—
Flexible conduit systems**



AS/NZS 61386.23:2015

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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Originated in Australia, in part, as AS C154—1958.

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NZS 6221.2:1972.

Previous and first joint editions AS/NZS 2053.4:1995 and AS/NZS 2053.8:1995.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories, to run in parallel with AS/NZS 2053.4:1995, *Conduits and fittings for electrical installations, Part 4: Flexible plain conduits and fittings of insulating material* and AS/NZS 2053.8:1995, *Conduits and fittings for electrical installations, Part 8: Flexible conduits and fittings of metal or composite material*. It is the intention of Committee EL-004 that AS/NZS 2053.4 and AS/NZS 2053.8 will be withdrawn at some appropriate future time.

The objective of this Standard is to provide Australian and New Zealand electrical industries with requirements for flexible 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.

This Standard is based on but not identical with IEC 61386-23, Ed.1.0 (2002), *Conduit systems for cable management, Part 23: Particular requirements—Flexible conduit systems*.

The main areas of variation from IEC include dimensional requirements.

This Standard is Part 23 of the AS/NZS 61386 series of Standards on conduit systems. It specifies particular requirements for flexible conduit systems and is to be used in conjunction with AS/NZS 61386.1 which specifies general requirements for conduit systems.

This Part 23 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 23, that clause applies as far as is reasonable. Where this Part 23 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
- 61386.22 Part 22: Particular requirements—Pliable conduit systems
- 61386.23 Part 23: Particular requirements—Flexible conduit systems (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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Australian/New Zealand Standard
Conduit systems for cable management

Part 23: Particular requirements—Flexible conduit systems

1 SCOPE

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

Addition:

This Standard specifies the requirements for flexible conduit systems.

2 NORMATIVE REFERENCES

This Clause of Part 1 is applicable.

3 DEFINITIONS

This Clause of Part 1 is applicable.

4 GENERAL REQUIREMENTS

This Clause of Part 1 is applicable.

5 GENERAL CONDITIONS FOR TESTS

This Clause of Part 1 is applicable.

6 CLASSIFICATION

This Clause of Part 1 is applicable.

Clause 6.5 Item (b) is not applicable to flexible metallic or composite conduit systems.

7 MARKING AND DOCUMENTATION

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

7.1 Information to be marked on conduits

Addition:

7.1.201 Information to be marked on conduits

The conduit shall be marked in accordance with Clause 7.1 along its entire length at regular intervals of preferably 1 m but not longer than 3 m. Where this is technically impractical, the mark shall be on a label attached to the product at each end, or on the packaging.

Conduits made of PVC and complying with the best environmental practice requirements of AS/NZS 1260 may be marked with the letters 'BEP PVC' or the words 'best environmental practice PVC'. Compliance with best environmental practice requirements is not required for compliance with this Standard.

Compliance shall be checked by inspection.