AS/NZS 3087.2:2003
IEC 61935-2:2003

Australian/New Zealand Standard™

Telecommunications installations—Generic cabling systems

Part 2: Specification for the testing of patch cords in accordance with AS/NZS 3080

[Generic cabling systems—Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801—Part 2: Patch cords and work area cords]

Standards Australia

STANDARDS NEW ZEALAND
Paerewa Aotearoa

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CT-001, Communications Cabling. It was approved on behalf of the Council of Standards Australia on 21 November 2003 and on behalf of the Council of Standards New Zealand on 27 November 2003. It was published on 22 December 2003.

The following are represented on Committee CT-001:

Australian Chamber of Commerce and Industry
Australian Communications Authority
Australian Communications Industry Forum
Australian Electrical and Electronic Manufacturers Association
Australian Information Industry Association
Australian Telecommunications Users Group
BICSI Australia
Electrical Compliance Testing Association
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Australian/New Zealand Standard™

Telecommunications installations—Generic cabling systems

Part 2: Specification for the testing of patch cords in accordance with AS/NZS 3080

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CT-001, Communications Cabling.

This Standard is identical with, and has been reproduced from, IEC 61935-2:2003, *Generic cabling systems—Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801—Part* 2: *Patch cords and work area cords*.

The objective of this Standard is to provide methods to ensure compatibility of modular plug cords to be used in cabling according to AS/NZS 3080 and also provides test methods and associated requirements to demonstrate the performance and reliability of these cords during their operational lifetime.

This Standard is Part 2 of AS/NZS 3087 *Telecommunications installations—Generic cabling systems* which is published in parts as follows:

Part 1: Specification for the testing of balanced communication cabling
Part 2: Specification for the testing of patch cords in accordance with AS/NZS 3080 (this Standard)

In this Standard, the following print types are used:

(a) requirements proper: in arial type;

(b) *test specifications: in italic type*

(c) explanatory matter: in smaller arial type.

As this Standard is reproduced from an International Standard, the following applies:

(i) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(ii) In the source text ‘this part of IEC 61935’ should read ‘this part of AS/NZS 3087’.

(iii) A full point should be substituted for a comma when referring to a decimal marker.

(iv) Any French text on figures should be ignored.

CONTENTS

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

Telecommunications installations—Generic cabling systems Part 2: Specification for the testing of patch cords in accordance with AS/NZS 3080

1 Scope

This part of IEC 61935 provides methods to ensure compatibility of modular plug cords to be used in cabling according to ISO/IEC 11801 and also provides test methods and associated requirements to demonstrate the performance and reliability of these cords during their operational lifetime.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-2-61:1991, Environmental testing – Part 2-61: Test methods – Test Z/ABDM: Climatic sequence

IEC 60603-7, Connectors for frequencies below 3 MHz for use with printed boards

IEC 60603-7-4, Connectors for electronic equipment – Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz (CAT 6, unshielded)[1]

IEC 61156, Multicore and symmetrical pair/quad cables for digital communications

IEC 61935-1:2000, Generic cabling systems – Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 – Part 1: Installed cabling

ISO/IEC 11801:2002, Information technology – Generic cabling for customer premises

3 Definitions

For the purposes of this document, the definitions in IEC 61935-1 apply.

4 General requirements and test configuration

4.1 Cable and connector design

The design of the cables and connectors should conform to the applicable parts of IEC 61156 and IEC 60603 respectively as referred to into the ISO/IEC 11801.

[1] To be published.