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AS/NZS 3013:2005 Electrical installations - Classification of the fire and mechanical performance of wiring system elements

Table of Contents

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Abbreviation
 AS/NZS 3013:2005
 Valid from
 21/08/2005
 Replaces
 [AS/NZS 3013:1995](#)

Information provider
 Standards New Zealand
 Author
 Standards New Zealand, Standards Australia
 Information type
 New Zealand Standard
 Format
 PDF

Cited By
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Description

This Standard sets out a classification scheme for wiring systems according to their resistance to the hazards of fire and mechanical damage. Type tests to verify the level of protection provided by a wiring system are given. Intended for reference in other Standards which specify wiring systems with a degree of resistance to damage from fire or mechanical impact.

Scope

This Standard sets out a classification system for wiring system elements.
 The classification is according to the wiring systems ability to

- (a) maintain circuit integrity under fire conditions for a specified period; and
- (b) maintain circuit integrity against mechanical damage of specified severity.

It specifies type tests to classify the performance of the various types of wiring system elements. If an assembled wiring system is tested to this Standard, the classification achieved cannot be assigned to any one of its individual elements.

The wiring system classification achieved shall only be applicable to the assembled wiring system as tested. This Standard does

not address the screening function of screened cables after exposure to fire conditions.

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- [AS 1530.4-2005](#)

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- [AS/NZS 3000:2007](#)

AS/NZS 3013:2005 is cited by AS/NZS 3000:2007 Electrical installations (known as the Australian/New Zealand Wiring Rules)

- [NZS 4510:2008](#)

AS/NZS 3013:2005 is cited by NZS 4510:2008 Fire hydrant systems for buildings

- [NZS 4512:2010](#)

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Back

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[AS/NZS 3013:2005 Electrical installations - Classification of the fire and mechanical performance of wiring system elements](#)

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Back

Close

Table of Contents

Section 1 Scope and Application

1.1 Scope

1.2 Application

1.3 Referenced Documents

1.4 Definitions

Section 2 Testing Of Wiring System Elements

Section 3 Classification System

3.1 Designation

3.2 First Characteristic Numeral

3.3 Second Characteristic Numeral

3.4 Supplementary Letter W

3.5 Examples of Classifications

Appendices

Appendix A - Fire Test Method-Cables and Busways

Appendix B - Water Test Method-Cables and Busways

Appendix C - Fire Test Method-Supports and Fixings

Appendix D - Mechanical Test Method-Impact Test

Appendix E - Mechanical Test Method-Cutting Test

Appendix F - Guide To Use of the Classification System

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