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

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Abbreviation
AS/NZS 3013:2005
Valid from
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Replaces
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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

  AS/NZS 3013:2005 is cited by AS 1530.4-2005 Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance test of elements of construction

- 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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