



Playground equipment and surfacing

Part 4: Additional specific safety requirements and test methods for cableways (EN 1176-4:2008, MOD)

AS 4685.4:2014 *Playground equipment and surfacing, Part 4: Additional specific safety requirements and test methods for cableways (EN 1176-4:2008, MOD)*, is a modified adoption of EN 1176-4:2008, *Playground equipment and surfacing, Part 4: Additional specific safety requirements and test methods for cableways*, and is reproduced with the permission of CEN, Avenue Marnix 17, B-1000 Brussels, Belgium. All exploitation rights of the European Standards in any form and by any means are reserved world-wide to CEN and its National Members, and no reproduction may be undertaken without express permission in writing by CEN through Standards Australia Limited.

A graphic logo for Standards Australia, consisting of several overlapping, curved lines in shades of grey and white, creating a sense of motion and depth.

STANDARDS
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This Australian Standard® was prepared by Committee CS-005, Playground Equipment. It was approved on behalf of the Council of Standards Australia on 13 March 2014. This Standard was published on 24 April 2014.

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 - Australian Institute of Landscape Architects
 - Department for Health and Ageing, SA
 - Early Childhood Australia
 - Education and Early Childhood Services Registration and Standards Board
 - Engineers Australia
 - Institute of Public Works Engineering Australia
 - Kidsafe
 - Monash University
 - National Association of Testing Authorities Australia
 - Occupational Therapy Australia
 - Play Australia
 - Play Equipment Importers and Exporters
-

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Australian Standard[®]

Playground equipment and surfacing

Part 4: Additional specific safety requirements and test methods for cableways (EN 1176-4:2008, MOD)

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PREFACE

This Standard was prepared by the Standards Australia Committee CS-005, Playground Equipment, to supersede, AS 4685.4—2004, *Playground equipment, Part 4: Particular safety requirements and test methods for runways*.

This Standard will apply from the date of publication. However, the Committee has decided that, to avoid excessive costs to manufacturers and operators, the superseded Standard, AS 4685.4—2004, will continue as an alternative for a period of one year after the publication date.

The objective of this Standard is to specify particular safety requirements for slides intended for permanent installation for use by children. General requirements and test methods are set out in AS 4685.1.

This Standard is an adoption with national modifications and has been reproduced from EN 1176-4:2008, *Playground equipment and surfacing, Part 4: Additional specific safety requirements and test methods for cableways* and has been varied as indicated to take account of Australian conditions. The modifications are specified in Appendix ZZ.

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

- (a) In the source text ‘this European Standard’ should read ‘this Australian Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
EN		AS	
1176	Playground equipment and surfacing	4685	Playground equipment and surfacing
1176-1	Part 1: General safety requirements and test methods	4685.1	Part 1: General safety requirements and test methods (EN 1176-1:2008, MOD)
1176-2	Part 2: Additional specific safety requirements and test methods for swings	4685.2	Part 2: Additional specific safety requirements and test methods for swings (EN 1176-2:2008, MOD)
1176-6	Part 6: Additional specific safety requirements and test methods for rocking equipment	4685.6	Part 6: Additional specific safety requirements and test methods for rocking equipment

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.

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AUSTRALIAN STANDARD

Playground equipment and surfacing

Part 4:

Additional specific safety requirements and test methods for cableways
(EN 1176-4:2008, MOD)**1 Scope**

This document is applicable to cableways whereby children travel on or along a cable by the use of gravity.

This standard specifies additional safety requirements for cableways intended for permanent installation for use by children.

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.

EN 1176-1:2008, *Playground equipment and surfacing — Part 1: General safety requirements and test methods*

EN 1176-2:2008, *Playground equipment and surfacing — Part 2: Additional specific safety requirements and test methods for swings*

EN 1176-6:2008, *Playground equipment and surfacing — Part 6: Additional specific safety requirements and test methods for rocking equipment*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1176-1:2008 and the following apply.

3.1**cableway**

item of children's playground equipment whereby children can travel on or along a cable under the force of gravity (see Figure 1)

3.2**hanging type cableway**

cableway equipped with a suspension assembly which includes a grip for hanging

3.3**seating type cableway**

cableway equipped with a suspension assembly which includes a seat

3.4**starting point**

area in which the user can reach the grip or seat and set the equipment in motion

3.5**area of travel**

area in which the user can travel freely

3.6**terminus**

area furthest away from the starting point that the user can reach by travelling across the area of travel

3.7**traveller**

moving part that, by influence of gravity, moves the user along the cable (see Figure 1)