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Australian/New Zealand Standard™

Measurement of smoke density of cables burning under defined conditions

Part 1: Test apparatus



AS/NZS IEC 61034.1:2017

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- Australian Cablemakers Association
- Australian Industry Group
- Electrical Compliance Testing Association
- Electrical Contractors Association of New Zealand
- Electrical Regulatory Authorities Council
- Institute of Electrical Inspectors
- National Electrical and Communications Association
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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee, EL-003 Electric Wires and Cables, to supersede, in part, AS/NZS 1660.5.2:2006, *Test methods for electric cables, cords and conductors, Method 5.2: Fire tests—Measurement of smoke density of cables burning under defined conditions*.

A1 Amendment No. 1 (October 2021) to this Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Cables and Wires. **A1**

The objective of this Standard is to provide details of the test apparatus to be used for measuring smoke emission when electric or optical fibre cables are burnt under defined conditions, for example, a few cables burnt horizontally.

A1 This Standard is identical with, and has been reproduced from IEC 61034-1:2005+AMD1:2013 CSV (ED. 3.1), *Measurement of smoke density of cables burning under defined conditions, Part 1: Test apparatus* and its Amendment No. 2 (2019) which has been added at the end of the source text. **A1**

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- (a) In the source text 'this part of IEC 61034' should read 'this Australian/New Zealand Standard'.
- (b) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

NOTES

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 Details of test enclosure	6
5 Photometric system	7
6 Standard fire source	7
7 Smoke mixing.....	8
8 Blank test	8
8.1 Purpose.....	8
8.2 Procedure.....	8
9 Qualification of test apparatus.....	8
10 Qualification burning test	8
10.1 Purpose.....	8
10.2 Preparation of cube	9
10.3 Qualification fire sources	9
10.4 Test procedure	9
10.5 Calculation	9
10.6 Requirements	9
Annex A (informative) Guidance notes.....	12
Bibliography	14
Figure 1 – Plan view of test chamber	10
Figure 2 – Photometric system	11
Figure 3 – Metal tray	11

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MEASUREMENT OF SMOKE DENSITY OF CABLES
BURNING UNDER DEFINED CONDITIONS –****Part 1: Test apparatus**

FOREWORD

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The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience. A vertical line in the margin shows where the base publication has been modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through.