

AS/NZS IEC 60332.3.24:2021
IEC 60332-3-24:2018



Australian/New Zealand Standard™

Tests on electric and optical fibre cables under fire conditions

**Part 3.24: Test for vertical flame spread of vertically-mounted bunched
wires or cables – Category C**



AS/NZS IEC 60332.3.24:2021

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-003, EL-003 Electric Cables and Wires. It was approved on behalf of the Council of Standards Australia on 12 October 2021 and by the New Zealand Standards Approval Board on 6 October 2021.

This Standard was published on 29 October 2021.

The following are represented on Committee EL-003:

- Australian Cablemakers Association
- Australian Industry Group
- Aviation and Marine Engineers Association, NZ
- Electrical Compliance Testing Association of Australia
- Electrical Regulatory Authorities Council, Australia
- Engineers Australia
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This Standard was issued in draft form for comment as DR AS/NZS IEC 60332.3.24:2021.

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ISBN 978 1 76113 556 9

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Originated in Australia as SAA Int 88001—1988.
Jointly revised and designated as AS/NZS 1660.5.1:1998.
AS/NZS 1660.5.1:2005 revised and redesignated, in part, as AS/NZS IEC
60332.3.24:2017.
Second edition 2021.



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Executive 2021

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Cables and Wires, to supersede AS/NZS IEC 60332.3.24:2017.

The objective of this document is to cover category C for methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, under defined conditions.

This document relates to cables installed on the test ladder to achieve a nominal total volume of non-metallic material of 1.5 l/m of test sample. The flame application time is 20 min. The method of mounting uses the front of the standard ladder. The category is intended for general use where low volumes of non-metallic material are required to be evaluated.

The test is intended for type approval testing. The requirements for the selection of cables for testing are given in Annex A. The flame spread is measured as the extent of damage of the cable sample. This procedure can be used to demonstrate the cable's ability to limit flame spread. A recommended performance requirement is given in Annex B.

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