AS/NZS IEC 60331.1:2021 IEC 60331-1:2018

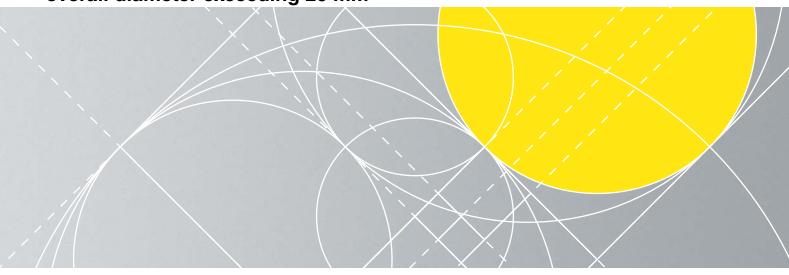




Australian/New Zealand Standard™

Tests for electric cables under fire conditions — Circuit integrity

Method 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm



AS/NZS IEC 60331.1:2021

This Joint Australian/New Zealand Standard[™] was prepared by Joint Technical Committee EL-003, Electric Wires And Cables. It was approved on behalf of the Council of Standards Australia on 4 January 2021 and by the New Zealand Standards Approval Board on 16 December 2020.

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The following are represented on Committee EL-003:

Australian Cablemakers Association
Australian Industry Group
Aviation and Marine Engineers Association
Electrical Compliance Testing Association of Australia
Electrical Regulatory Authorities Council
Engineers Australia
Institute of Electrical Inspectors
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Preface

This Test Method was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Wires and Cables, to supersede AS/NZS IEC 60331.1:2017, Tests for electric cables under fire conditions — Circuit integrity, Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm.

The objective of this document is to specify the test method for cables which are required to maintain circuit integrity when subject to fire and mechanical shock under specified conditions.

This document is applicable to cables of rated voltage not exceeding $600 \text{ V}/1\ 000 \text{ V}$, including those of rated voltage below 80 V, metallic data and telecom cables and optical fibre cables and testing cables of greater than 20 mm overall diameter.

This document is not applicable to cables of smaller diameter which are tested using the apparatus, procedure and requirements of AS/NZS IEC 60331.2.

This document is identical with, and has been reproduced from, IEC 60331-1:2018, Tests for electric cables under fire conditions — Circuit integrity — Part 1: Test method for fire with shock at a temperature of at least 830 $^{\circ}$ C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm.

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