

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

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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 V/1 000 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 °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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