AS/NZS IEC 60331.3:2017
IEC 60331-3:2009

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Australian/New Zealand Standard™

# Tests for electric cables under fire conditions—Circuit integrity

# Part 3: 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 tested in a metal enclosure


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 5 March 2017 and by the New Zealand Standards Approval Board on 4 April 2017.
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The following are represented on Committee EL-003:

Australian Cable Makers' 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
Queensland University of Technology
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*This Standard was issued in draft form for comment as DR AS/NZS IEC 60331.3:2016.*

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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 1660.5.5:2005, *Test methods for electric cables, cords and conductors*, Method 5.5: *Fire tests—Circuit integrity*.

The objective of this Standard is to specify the test apparatus and procedure and give the performance requirements, including recommended flame application times, for low-voltage power cables of rated voltage up to and including 0.6/1.0 kV, and control cables with a rated voltage which are required to maintain circuit integrity when tested in a metal enclosure and when subject to fire and mechanical shock under specified conditions.

This Standard is identical with, and has been reproduced from IEC 60331-3, Ed 1.0 (2009),*Tests for electric cables under fire conditions—Circuit integrity*, Part 3: *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 tested in a metal enclosure*.

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