

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**



### **AS/NZS IEC 60331.3:2017**

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  
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#### 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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## 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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