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## AS/NZS IEC 60332.3.21:2017 Tests on electric cables under fire conditions - Part 3.21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R

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Abbreviation

AS/NZS IEC 60332.3.21:2017

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Information provider

Standards New Zealand

Author

Standards Australia, Standards New Zealand, International Electrotechnical Commission

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New Zealand Standard

Format

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### Description

This Standard specifies method of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

The test is intended for type approval testing.

The requirements for the selection of cables for testing are given.

The flame spread is measured as the extent of damage of the cable sample. This procedure may be used to demonstrate the ability of the cable to limit flame spread.

Covers category A F/R and relates only to power cables of conductor cross-sectional area greater than 35 mm<sup>2</sup> installed on the test ladder in a spaced configuration on the front and rear to achieve a nominal total volume of non-metallic material of 7 l/m of test sample. The flame application time is 40 min.

This method of mounting is intended for special cable designs used in particular installations when required in the cable specification. Category A F/R is not intended for general use. A recommended performance requirement is also given.

Identical to and reproduced from IEC 60332-3-21, Ed 1.0:2000.

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