AS/NZS 4961:2003
Reconfirmed 2017

AS/NZS 4961

Australian/New Zealand Standard™

Electric cables—Polymeric insulated—For distribution and service applications

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STANDARDS NEW ZEALAND
Paerewa Aotearoa

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 30 December 2002 and on behalf of the Council of Standards New Zealand on 13 December 2002. It was published on 14 February 2003.

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RECONFIRMATION

OF

AS/NZS 4961:2003

Electric cables—Polymeric insulated—For distribution and service applications

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-003, Electric Wires and Cables.

The objective of this Standard is to specify a range of cables for distribution and service applications at working voltages up to and including 0.6/1(1.2) kV. This Standard supplements existing Standard AS/NZS 4026.

Section 2 of this Standard will supersede AS/NZS 3155:1995, *Approval and test specification—Electric cables—Neutral screened—For working voltages up to and including 0.6/1 kV*.

Section 3 of this Standard will supersede AS 1178—1986, *Concentric wire neutral cables—XLPE insulated—For electricity supply at working voltages of 0.6/1 kV*.

Section 4 of this Standard specifies a range of single core PVC or XLPE insulated distribution and service cables used in New Zealand.

Section 5 of this Standard is based on Table 11 of superseded AS/NZS 3191:1995, *Approval and test specification—Electric cables—XLPE insulated—For working voltages up to and including 0.6/1 kV*.

Section 6 of this Standard specifies a range of single core XLPE insulated distribution and service cables.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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Australian/New Zealand Standard

Electric cables—Polymeric insulated—For distribution and service applications

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the construction of a range of cables for distribution and service applications at working voltages up to and including 0.6/1(1.2) kV.

NOTES:

1 Guidelines on information that should be supplied with enquiries or orders are provided in Appendix A.

2 Recommended installation bending radius for a cable is given in Appendix B.

3 Recommendations for installation are given in Appendix C.

1.2 APPLICATION

For the purpose of this Standard, the cables shall comply with the requirements of the following Sections, as appropriate:

Section 2 PVC or XLPE insulated neutral wire screened cables for use in electrical installations including overhead and underground lines.

Section 3 XLPE insulated waveform concentric wire neutral cables for use in electrical installations.

Section 4 PVC or XLPE insulated single-core distribution and service cables for use in electrical installations.

Section 5 XLPE insulated bundled distribution and service cables for use in underground electrical installations.

Section 6 XLPE insulated single-core distribution and service cables for use in electrical installations.

1.3 REFERENCED DOCUMENTS

AS/NZS

1125 Conductors in insulated electric cables and flexible cords

1660 Test methods for electric cables, cords and conductors

1660.2.1 Method 2.1: Insulation, extruded semi-conductive screens and non-metallic sheaths—Methods for general application

1660.3 Method 3: Electrical tests

3100 Approval and test specification—General requirements for electrical equipment

3808 Insulating and sheathing materials for electric cables

5000 Electric cables—Polymeric insulated

5000.1 Part 1: For working voltages up to and including 0.6/1 kV

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