

Australian/New Zealand Standard™

Electrical installations in ships

Part 353: Power cables for rated voltages 1 kV and 3 kV



AS/NZS IEC 60092.353:2020

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 26 November 2019 and by the New Zealand Standards Approval Board on 18 December 2019.

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The following are represented on Committee EL-003:

- Australian Cablemakers Association
- Australian Industry Group
- Electrical Compliance Testing Association of Australia
- Electrical Regulatory Authorities Council (Australia)
- Engineers Australia
- Institute of Electrical Inspectors (Australia)
- Master Electricians (New Zealand)
- National Electrical and Communications Association (Australia)
- Queensland University of Technology
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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 AS 60092.353—2005, *Electrical installations in ships, Part 353: Single and multicore non-radial field power cables with extruded solid insulation for rated voltages 1 kV and 3 kV*.

The objective of this Standard is to specify requirements for shipboard and offshore non radial field power cables with extruded solid insulation, having a voltage rating of 0.6/1 (1.2) kV or 1.8/3 (3.6) kV intended for fixed installations.

Cables designed to maintain circuit integrity during fire are included.

The various types of power cables are given in Clause 5.1. The constructional requirements and test methods are aligned with those indicated in AS/NZS IEC 60092-350, unless otherwise specified in this document.

This document covers the following:

- (a) Standardizes cables whose safety and reliability is ensured when they are installed in accordance with the requirements of IEC 60092-352 or IEC 61892-4.
- (b) Lays down standard manufacturing requirements and characteristics of such cables directly or indirectly bearing on safety.
- (c) Specifies test methods for checking conformity with those requirements.

This Standard is identical with, and has been reproduced from, IEC 60092-353:2016, *Electrical installations in ships — Part 353: Power cables for rated voltages 1 kV and 3 kV*.

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