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Live working — Flexible conductor covers (line hoses) of insulating material



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(a) "should" means that something is recommended.

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A Standard always has the following parts:

(i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.

(ii) The Scope states what the Standard is about, what it covers and what it does not cover.

(iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.

(iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

(1) A normative appendix sets additional requirements that need to be conformed to.

(2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.

(3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

Preface

This Standard was prepared by the Standards Australia Committee EL-068, Live Working to supersede AS 4202—1994, *Insulating covers for electrical purposes.*

The objective of this document is to provide requirements applicable to flexible insulating covers (line hoses) for the protection of workers from accidental contact with live or earthed electrical conductors and for the avoidance of short circuits during live working.

AS 61112:2025, AS 61229:2025 and this document cover the subject matter previously covered by AS 4202—1994.

This document is identical with, and has been reproduced from, IEC 61479:2001, *Live working — Flexible conductor covers (line hoses) of insulating material* and its Amendment No. 1 (2002) which has been consolidated into the source text.

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The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

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FOREWORD

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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC 61479 edition 1.1 contains the first edition (2001) [documents 78/350/FDIS and 78/363/RVD] and its amendment 1 (2002) [documents 78/428/FDIS and 78/454/RVD].

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

Annexes A, B, C, and D form an integral part of this standard.

Annexes E, F and G are for information only.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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Australian Standard®

Live working — Flexible conductor covers (line hoses) of insulating material

1 Scope

This International Standard is applicable to flexible insulating covers (line hoses) for the protection of workers from accidental contact with live or earthed electrical conductors and for the avoidance of short circuits during live working.

1.1 Classes

Five classes of conductor covers, differing in electrical characteristics, are provided and designated as class 0, class 1, class 2, class 3, and class 4.

1.2 Categories

Six categories of conductor covers differing in composition and properties are provided: category A – acid resistant, category H – oil resistant, category C – formulated for extreme low temperature environments, category W – formulated for extreme high temperature environments, category Z – ozone resistant, and category P – formulated for humid environment.

NOTE Types II and III material of ASTM D-1050 would be category Z.

1.3 Styles

Various styles of conductor covers, differing in construction characteristics are available and six of these are designated as style A, style B, style C, style D, style E, (see figure 1), and style F.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60050(151):1978, *International Electrotechnical Vocabulary (IEV) – Chapter 151: Electrical and magnetic devices*

IEC 60050(212):1990, *International Electrotechnical Vocabulary (IEV) – Chapter 212: Insulating solids, liquids and gases*

IEC 60050(601):1985, *International Electrotechnical Vocabulary (IEV) – Chapter 601: Generation, transmission and distribution of electricity – General*

IEC 60050(651):1999, *International Electrotechnical Vocabulary (IEV) – Chapter 651: Live working*

IEC 60060-1:1989, *High-voltage test techniques – Part 1: General definitions and test requirements*

IEC 60060-2:1994, *High-voltage test techniques – Part 2: Measuring systems*

IEC 60212:1971, *Standard conditions for use prior to and during the testing of solid electrical insulating materials*

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