

Australian Standard™

Polymeric cable protection covers

This Australian Standard was prepared by Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 3 November 2000 and published on 1 December 2000.

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Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association, New Zealand
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STANDARDS AUSTRALIA

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OF

AS 4702—2000

Polymeric cable protection covers

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NOTES

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories and is based on a draft provided by Electricity Supply Association of Australia. There was a consensus among the Committee that this should be published as an Australian Standard.

The objective of this Standard is to specify dimensional and performance requirements for polymeric cable protection covers. The covers are intended to provide increased mechanical protection for underground cable systems and to serve as a means of visual warning of the presence of electric cables in the ground.



CONTENTS

	<i>Page</i>
1 SCOPE AND APPLICATION	3
2 REFERENCED DOCUMENTS	3
3 DEFINITIONS	3
4 CONSTRUCTION	4
5 DIMENSIONS	4
6 IDENTIFICATION	4
7 MARKING.....	5
8 TESTS.....	5

STANDARDS AUSTRALIA

Australian Standard Polymeric cable protection covers

1 SCOPE AND APPLICATION

1.1 Scope

This Standard specifies requirements for polymeric cable protection covers for underground electric power cable systems.

1.2 Application

Polymeric cable protection covers—

- (a) provide increased protection for underground cables and enclosures against accidental mechanical damage; and
- (b) serve as a physical barrier as well as a visual warning of the presence of electric cables.

Polymeric cable protection covers are not intended to eliminate all types of mechanical damage to underground cables.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1366 Rigid cellular plastics sheets for thermal insulation
- 1366.3 Part 3: Rigid cellular polystyrene—Moulded (RC/PS—M)
- 2700 Colour standards for general purposes

ISO

- 4288 Geometrical product specifications (GPS)—Surface texture: Profile method—Rules and procedures for the assessment of surface texture

3 DEFINITIONS

For the purpose of this Standard, the definitions below apply:

3.1 Polymeric cable protection cover

A cover which is made from polymeric material and is intended to provide limited mechanical protection and to serve as a visual warning of the presence of electric cables.

3.2 Type test

A test, performed on one, or more than one sample, that is made according to a specific design, to demonstrate that the design meets certain specifications.

NOTE: Type tests are of such a nature that after they have been completed, they need not be repeated unless changes are made to the cable cover materials, manufacturing method or design, which might change the performance characteristics or quality of the cover, including its markings.