SRI LANKA STANDARD 1082 : Part 1 : 2009
IEC 60264-1: 1968 + A 1: 2009

SPECIFICATION FOR PACKAGING OF WINDING WIRES

PART 1 : CONTAINERS FOR ROUND WINDING WIRES

(First Revision)

SRI LANKA STANDARDS INSTITUTION

Sri Lanka Standard

SPECIFICATION FOR PACKAGING OF WINDING WIRES
PART 1 : CONTAINERS FOR ROUND WINDING WIRES

(First Revision)

SLS 1082 : Part 1 : 2009
IEC 60264-1: 1968
+ A 1: 2009

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Sri Lanka.

Sri Lanka Standards are subject to periodical revision in order to accommodate the progress made by industry. Suggestions for improvement will be recorded and brought to the notice of the Committees to which the revisions are entrusted.

This standard does not purport to include all the necessary provisions of a contract.

Sri Lanka Standard
SPECIFICATION FOR PACKAGING OF WINDING WIRES

PART 1 : CONTAINERS FOR ROUND WINDING WIRES
(First Revision)

NATIONAL FOREWORD

This standard was approved by the Sectoral Committee on Electric Cables and Conductors and was authorized for adoption and publication as a Sri Lanka Standard by the Council of Sri Lanka Standards Institution on 2009-10-28.

This is the first revision of the **SLS 1082 Part 1 : 1995** and identical with **IEC 60264-1 :** Packaging of winding wires, Part 1: Containers for round winding wires, Edition 1.0 1968-01 and Amd. No. 1: 2009, published by the International Electrotechnical Commission (IEC).

Terminology and conventions

The text of the International Standard has been accepted as suitable for publication, without deviation, as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards; attention is therefore drawn to the following:

a) Wherever the words “International Standard” appear referring to this standard they should be interpreted as “Sri Lanka Standard”.

b) Wherever the page numbers are quoted they are the page numbers of IEC standard.

c) The comma has been used as a decimal marker. In Sri Lanka Standards it is the current practices to use a full point on the base line as a decimal marker.

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NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
60264-1

Première édition
First edition
1968-01

Conditionnement des fils de bobinage

Première partie:
Fûts d'emballage pour fils de bobinage de section circulaire

Packaging of winding wires

Part 1:
Containers for round winding wires

Numéro de référence
Reference number
CEI/IEC 60264-1: 1968

Numéros des publications

Depuis le 1er janvier 1997, les publications de la CEI sont numérotées à partir de 60000.

Publications consolidées

Les versions consolidées de certaines publications de la CEI incorporant les amendements sont disponibles. Par exemple, les numéros d'édition 1.0, 1.1 et 1.2 indiquent respectivement la publication de base, la publication de base incorporant l'amendement 1, et la publication de base incorporant les amendements 1 et 2.

Validité de la présente publication

Le contenu technique des publications de la CEI est constamment revu par la CEI afin qu'il reflète l'état actuel de la technique.

Des renseignements relatifs à la date de reconfirmation de la publication sont disponibles dans le Catalogue de la CEI.

Les renseignements relatifs à des questions à l'étude et des travaux en cours entrepris par le comité technique qui a établi cette publication, ainsi que la liste des publications établies, se trouvent dans les documents ci-dessous:

- **«Site web» de la CEI***
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- **Bulletin de la CEI**
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Terminologie, symboles graphiques et littéraux

En ce qui concerne la terminologie générale, le lecteur se reportera à la CEI 60050: *Vocabulaire Electrotechnique International* (VEI).

Pour les symboles graphiques, les symboles littéraux et les signes d'usage général approuvés par la CEI, le lecteur consultera la CEI 60027: *Symboles littéraux à utiliser en électrotechnique,* la CEI 60417: *Symboles graphiques utilisables sur le matériel. Index, relevé et compilation des feuilles individuelles,* et la CEI 60617: *Symboles graphiques pour schémas.*

* Voir adresse «site web» sur la page de titre.

Numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series.

Consolidated publications

Consolidated versions of some IEC publications including amendments are available. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

Validity of this publication

The technical content of IEC publications is kept under constant review by the IEC, thus ensuring that the content reflects current technology.

Information relating to the date of the reconfirmation of the publication is available in the IEC catalogue.

Information on the subjects under consideration and work in progress undertaken by the technical committee which has prepared this publication, as well as the list of publications issued, is to be found at the following IEC sources:

- **IEC web site***
- **Catalogue of IEC publications**
  Published yearly with regular updates (On-line catalogue)*
- **IEC Bulletin**
  Available both at the IEC web site* and as a printed periodical

Terminology, graphical and letter symbols

For general terminology, readers are referred to IEC 60050: *International Electrotechnical Vocabulary* (IEV).

For graphical symbols, and letter symbols and signs approved by the IEC for general use, readers are referred to publications IEC 60027: *Letter symbols to be used in electrical technology*, IEC 60417: *Graphical symbols for use on equipment. Index, survey and compilation of the single sheets* and IEC 60617: *Graphical symbols for diagrams.*

* See web site address on title page.

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
60264-1

Première édition
First edition
1968-01

Conditionnement des fils de bobinage

Première partie:
Fûts d'emballage pour fils de bobinage de section circulaire

Packaging of winding wires

Part 1:
Containers for round winding wires

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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Pour prix, voir catalogue en vigueur
For price, see current catalogue

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PACKAGING OF WINDING WIRES

Part 1 : Containers for round winding wires

FOREWORD

1) The formal decisions or agreements of the I E C on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.

3) In order to promote this international unification, the I E C expresses the wish that all National Committees having as yet no national rules, when preparing such rules, should use the I E C recommendations as the fundamental basis for these rules in so far as national conditions will permit.

4) The desirability is recognized of extending international agreement on these matters through an endeavour to harmonize national standardization rules with these recommendations in so far as national conditions will permit. The National Committees pledge their influence towards that end.

5) The I E C has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

PREFACE

This Recommendation has been prepared by IEC Technical Committee No. 55, Winding Wires.

A first draft on packaging of winding wires was discussed at the meeting held in Bucharest in 1962. This draft covered containers as well as delivery spools. It was decided that two separate Recommendations dealing with packaging should be prepared to specify respectively:

Part 1: Containers for round winding wires.

Part 2: Delivery spools for winding wires.

This publication forms Part 1 of the complete Recommendation dealing with packaging of winding wires. A first draft was discussed at the meeting held in Vienna in 1963. A final draft was submitted to the National Committees for approval under the Six Months' Rule in August 1964.

The following countries voted explicitly in favour of publication of Part 1:

Australia	Italy
Austria	Japan
Belgium	Netherlands
Czechoslovakia	Romania
Denmark	Spain
France	Sweden
Germany	Switzerland
Israel	Yugoslavia

Canada, United Kingdom and U.S.A. were unable to accept the containers proposed in this Recommendation, because the very small sizes have been found inadequate by them.

Moreover, the containers used in the United Kingdom have been standardized not merely for winding wires, but for a variety of products and consequently separate standards for wire containers would be economically unacceptable in that country.

PACKAGING OF WINDING WIRES

Part 1 : Containers for round winding wires

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1. Scope

This Recommendation relates to containers for round winding wires.

2. Dimensions

Table I, page 6, shows standard sizes of containers and Table II, page 7, additional sizes for information only.

Note. — The drawing, page 8, is given only to identify the dimensions specified and are not intended to show any particular construction.

3. Material

To be stated with order. The cylinder walls which may come in contact with the wire shall be sufficiently smooth to avoid entangling the wire during withdrawal.

4. Application

One-way containers are only used for a single delivery and are not returnable to the wire producer, whilst re-usable containers are used until worn out. Both types shall be dimensionally interchangeable.

5. Type designation

Containers according to this Recommendation shall be indentified by dimensions d_1 and h as follows:

Container 264-1 IEC 500/400.

TABLEAU I

Dimensions normalisées

Dimensions en millimètres

TABLE I

Standard sizes

Dimensions in millimetres

d_1		h		d_2		d_3
Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	Max.
250	$^{0}_{-3}$	280	$^{0}_{-3}$	160	$^{+2.5}_{0}$	270
315	$^{0}_{-3}$	180 355	$^{0}_{-3}$ $^{0}_{-3.5}$	200	$^{+3}_{0}$	340
400	$^{0}_{-3.5}$	224 450	$^{0}_{-3}$ $^{0}_{-4}$	250	$^{+3}_{0}$	425
500	$^{0}_{-4}$	400 560 800	$^{0}_{-4}$ $^{0}_{-4}$ $^{0}_{-5}$	315	$^{+3.5}_{0}$	530

TABLEAU II

Dimensions supplémentaires

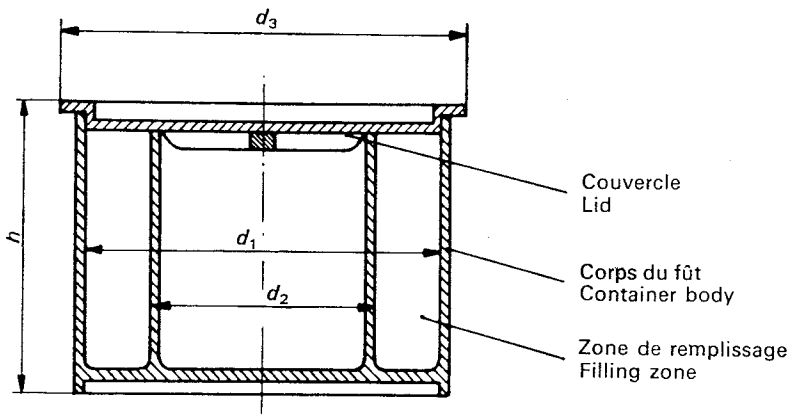
Dimensions en millimètres

TABLE II

Additional sizes

Dimensions in millimetres

d_1		h		d_2		d_3
Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	Max.
200	$^{0}_{-3}$	160 224 315	$^{0}_{-2.5}$ $^{0}_{-3}$ $^{0}_{-3.5}$	125	$^{+2.5}_{0}$	220
250	$^{0}_{-3}$	200 400	$^{0}_{-3}$ $^{0}_{-4}$	160	$^{+2.5}_{0}$	270
315	$^{0}_{-3}$	250 500	$^{0}_{-3}$ $^{0}_{-4}$	200	$^{+3}_{0}$	340
400	$^{0}_{-3.5}$	315 630	$^{0}_{-3.5}$ $^{0}_{-4.5}$	250	$^{+3}_{0}$	425
500	$^{0}_{-4}$	200 280	$^{0}_{-3}$ $^{0}_{-3}$	315	$^{+3.5}_{0}$	530



d_1 = diamètre intérieur du corps du fût
inner diameter of container body

d_2 = diamètre extérieur de la partie centrale
outer diameter of core

d_3 = diamètre extérieur du couvercle
outer diameter of lid

h = hauteur totale
total height

FIG. 1.– Dessin permettant d'identifier les dimensions spécifiées.
Drawing to identify dimensions specified.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Packaging of winding wires –
Part 1:Containers for round winding wires

Conditionnement des fils de bobinage –
Partie 1: Fûts d'emballage pour fils de bobinage de section circulaire

IEC 60264-1:1968/A1:2009

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

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La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

A propos des publications CEI

Le contenu technique des publications de la CEI est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

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IEC 60264-1

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Packaging of winding wires – Part 1:Containers for round winding wires

Conditionnement des fils de bobinage – Partie 1: Fûts d'emballage pour fils de bobinage de section circulaire

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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FOREWORD

This amendment has been prepared by IEC technical committee 55: Winding wires.

The text of this amendment is based on the following documents:

FDIS	Report on voting
55/1099/FDIS	55/1136/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

Add the following new Introduction:

INTRODUCTION

This part of IEC 60264 is one of a series which deals with packaging of insulated wires used for windings in electrical equipment. The series has three groups describing:

1) Test methods (IEC 60851);
2) Specifications for particular types of winding wire (IEC 60317);
3) Packaging of winding wires (IEC 60264).

Table II

Replace the existing Table 2 with the following new Table 2:

Table 2 – Additional sizes

Dimensions in millimetres

d_1		h		d_2		d_3
Nom.	**Tol.**	**Nom.**	**Tol.**	**Nom.**	**Tol.**	**Max.**
200	$^{0}_{-3}$	160 224 315	$^{0}_{-2,5}$ $^{0}_{-3}$ $^{0}_{-3,5}$	125	$^{+2,5}_{0}$	220
250	$^{0}_{-3}$	200 400	$^{0}_{-3}$ $^{0}_{-4}$	160	$^{+2,5}_{0}$	270
315	$^{0}_{-3}$	250 400	$^{0}_{-3}$ $^{0}_{-4}$	200	$^{+3}_{0}$	340
400	$^{0}_{-3,5}$	315 630	$^{0}_{-3,5}$ $^{0}_{-4,5}$	250	$^{+3}_{0}$	425
500	$^{0}_{-4}$	200 280	$^{0}_{-3}$ $^{0}_{-3}$	315	$^{+3,5}_{0}$	530
500	$^{0}_{-4}$	630	$^{0}_{-4}$	315	$^{3,5}_{0}$	530

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