BRITISH STANDARD

BS EN 60684-3-100 to 105:2002
IEC 60684-3-100 to 105:2001

Flexible insulating sleeving —

Part 3: Specifications for individual types of sleeving —

Sheets 100 to 105: Extruded PVC sleeving

The European Standard EN 60684-3-100 to 105:2001 has the status of a British Standard

ICS 29.035.20

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Full document details: BS EN 60684-3-100 to 105:2002

National foreword

This British Standard is the official English language version of EN 60684-3-100 to 105:2001. It is identical with IEC 60684-3-100 to 105:2001. It supersedes BS 6893-3-100 to 105:1995 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/15, Material specifications, to Subcommittee GEL/15/3/5, Sleevings, which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

From 1 January 1997, all IEC publications have the number 60000 added to the old number. For instance, IEC 27-1 has been renumbered as IEC 60027-1. For a period of time during the change over from one numbering system to the other, publications may contain identifiers from both systems.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled "International Standards Correspondence Index", or by using the "Find" facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 19 February 2002

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

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ISBN 0 580 39011 X

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60684-3-100 to 105

October 2001

ICS 29.035.20

Supersedes HD 523.3.100 to 105 S1:1990

English version

Flexible insulating sleeving
Part 3: Specifications for individual types of sleeving
Sheets 100 to 105: Extruded PVC sleeving
(IEC 60684-3-100 to 105:2001)

Gaines isolantes souples
Partie 3: Spécifications pour types particuliers de gaines
Feuilles 100 à 105: Gaines en PVC extrudé
(CEI 60684-3-100 à 105:2001)

Isolierschläuche
Teil 3: Bestimmungen für einzelne Schlauchtypen
Blätter 100 bis 105: Extrudierte PVC-Schläuche
(IEC 60684-3-100 bis 105:2001)

This European Standard was approved by CENELEC on 2001-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Ref. No. EN 60684-3-100 to 105:2001 E

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Foreword

The text of document 15C/1214/FDIS, future edition 2 of IEC 60684-3-100 to 105, prepared by SC 15C, Specifications, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60684-3-100 to 105 on 2001-09-01.

This European Standard supersedes HD 523.3.100 to 105 S1:1990.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2002-06-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2004-09-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 60684-3-100 to 105:2001 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

This standard is one of a series which deals with flexible insulating sleeving for electrical purposes.

The series consists of three parts:

– Part 1: Definitions and general requirements (IEC 60684-1);

– Part 2: Methods of test (IEC 60684-2);

– Part 3: Specifications for individual types of sleeving (IEC 60684-3).

This standard gives six of the sheets comprising Part 3 as follows:

– Sheet 100: Extruded PVC sleeving – General purpose grade – Bilateral tolerances

– Sheet 101: Extruded PVC sleeving – High temperature grade – Bilateral tolerances

– Sheet 102: Extruded PVC sleeving – Low temperature grade – Bilateral tolerances

– Sheet 103: Extruded PVC sleeving – General purpose grade – Unilateral tolerances

– Sheet 104: Extruded PVC sleeving – High temperature grade – Unilateral tolerances

– Sheet 105: Extruded PVC sleeving – Low temperature grade – Unilateral tolerances

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FLEXIBLE INSULATING SLEEVING –

Part 3: Specifications for individual types of sleeving – Sheets 100 to 105: Extruded PVC sleeving

1 Scope

This standard gives the requirements for three types of non-heatshrinkable sleeving, extruded from PVC.

Sleeving of this type is normally available with an internal diameter up to 50 mm and in a range of wall thicknesses between 0,2 mm and 1,8 mm.

Each sheet covers up to three levels of wall thickness, "thin wall", "standard wall" and "thick wall" related to nominal internal diameter and with corresponding differences in requirements for breakdown voltage.

Sheets 100 and 103 cover sleeving having a temperature range of –10 °C to 90 °C.

Sheets 101 and 104 cover sleeving having a temperature range of –10 °C to 105 °C.

Sheets 102 and 105 cover sleeving having a temperature range of –40 °C to 70 °C.

These sleevings are normally available in the following opaque colours:

black, brown, red, orange, yellow, green, blue, violet, grey, white, pink, turquoise and green/yellow.

They are also available in a transparent, translucent and non-coloured form.

Sizes and colours other than those specifically listed in this standard may be available as custom items. These items shall be considered to comply with this standard if they comply with the other property requirements listed in table 5.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60684. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60684 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 60068-2-10:1988, *Environmental testing – Part 2: Tests. Test J and guidance: Mould growth*

IEC 60684-1:1980, *Specification for flexible insulating sleeving – Part 1: Definitions and general requirements*

IEC 60684-2:1997, *Flexible insulating sleeving – Part 2: Methods of test*

IEC 60757:1983, *Code for designation of colours*

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