



NSAI
Standards

Irish Standard
I.S. EN 60684-3-284:2014

Flexible insulating sleeving - Part 3:
Specifications for individual types of sleeving
- Sheet 284: Heat-shrinkable, sleeveings, for
oil barrier applications

I.S. EN 60684-3-284:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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EUROPEAN STANDARD

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English Version

**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 284: Heat-shrinkable, sleeveings, for oil barrier applications
(IEC 60684-3-284:2014)**

Gaines isolantes souples - Partie 3: Spécifications pour types particuliers de gaines - Feuille 284: Gaines thermorétractables pour applications de barrière résistant à l'huile
(CEI 60684-3-284:2014)

Isolierschläuche - Teil 3: Anforderungen für einzelne Schlauchtypen - Blatt 284: Wärmeschrumpfschläuche mit ölsperrenden Eigenschaften
(IEC 60684-3-284:2014)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 15/693/CDV, future edition 1 of IEC 60684-3-284, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60684-3-284:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-08-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-11-27

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Endorsement notice

The text of the International Standard IEC 60684-3-284:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- | | | |
|--------------------------|------|---|
| IEC 60684-3 (all sheets) | NOTE | Harmonized as EN 60684-3 (all sheets) (not modified). |
| IEC 60757:1983 | NOTE | Harmonized as HD 457 S1:1985 (not modified). |

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60055-2	-	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables - Part 2: General and construction requirements	-	-
IEC 60296	-	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	EN 60296	-
IEC 60684-1	2003	Flexible insulating sleeving - Part 1: Definitions and general requirements	EN 60684-1	2003
IEC 60684-2	2011	Flexible insulating sleeving - Part 2: Methods of test	EN 60684-2	2011

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IEC 60684-3-284

Edition 1.0 2014-10

INTERNATIONAL STANDARD

**Flexible insulating sleeving –
Part 3: Specifications for individual types of sleeving –
Sheet 284: Heat-shrinkable sleeveings, for oil barrier applications**





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IEC 60684-3-284

Edition 1.0 2014-10

INTERNATIONAL STANDARD

**Flexible insulating sleeving –
Part 3: Specifications for individual types of sleeving –
Sheet 284: Heat-shrinkable sleeveings, for oil barrier applications**

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ELECTROTECHNICAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FLEXIBLE INSULATING SLEEVING –

**Part 3: Specifications for individual types of sleeving –
Sheet 284: Heat-shrinkable sleeveings, for oil barrier applications**

FOREWORD

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International Standard IEC 60684-3-284 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

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

CDV	Report on voting
15/693/CDV	15/726A/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60684 series, published under the general title *Flexible insulating sleeving*, can be found on the IEC website.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

This International 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 one of the sheets comprising Part 3, as follows:

Sheet 284: Heat-shrinkable sleeveings, for oil barrier applications.

FLEXIBLE INSULATING SLEEVING –

Part 3: Specifications for individual types of sleeving – Sheet 284: Heat-shrinkable sleeveings, for oil barrier applications

1 Scope

This part of IEC 60684 gives the requirements for heat-shrinkable sleeveings for oil barrier, medium voltage cable jointing and termination applications, with nominal shrink ratios of up to 3:1.

These sleeveings have been found suitable for use up to temperatures of 80 °C.

Type A: polyolefin based.

Type B: fluoropolymer based, enhanced oil resistance.

These sleeveings are normally supplied as translucent.

Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Annex A, Tables A.1 and A.2, in this document, provide a guide to the range of sizes available. The actual size will be agreed between the purchaser and supplier.

Materials which conform to this standard meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this standard alone.

This sleeving is designed to be used in MV cable accessories and as such, electrical performance as defined as part of the assembly. Examples of this are described in HD 629 and IEC 60502 series.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60055-2, *Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) Part 2: General and construction requirements*

IEC 60296, *Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and switchgear*

IEC 60684-1:2003, *Flexible insulating sleeving – Part 1: Definitions and general requirements*

IEC 60684-2:2011, *Flexible insulating sleeving – Part 2: Methods of test*

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