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# INTERNATIONAL STANDARD

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

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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**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*