

# INTERNATIONAL STANDARD

# IEC 60684-3-211

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## Flexible insulating sleeving –

### Part 3: Specifications for individual types of sleeving – Sheet 211: Heat-shrinkable sleeving, semi-rigid polyolefin, shrink ratio 2:1

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### FLEXIBLE INSULATING SLEEVING –

### **Part 3: Specifications for individual types of sleeving – Sheet 211: Heat-shrinkable sleeving, semi-rigid polyolefin, shrink ratio 2:1**

#### FOREWORD

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International Standard IEC 60684-3-211 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

This third edition cancels and replaces the second edition published in 2002 and constitutes a technical revision.

The major technical changes with regard to the second edition concern a better alignment with existing national specifications.

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

FDIS	Report on voting
15/357/FDIS	15/370/RVD

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

The committee has decided that the contents of this 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- withdrawn;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.

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 comprises one of the sheets of Part 3 as follows:

Sheet 211: Heat-shrinkable sleeving, semi-rigid polyolefin, shrink ratio 2:1

## FLEXIBLE INSULATING SLEEVING –

### Part 3: Specifications for individual types of sleeving – Sheet 211: Heat-shrinkable sleeving, semi-rigid polyolefin, shrink ratio 2:1

#### 1 Scope

This part of IEC 60684 gives the requirements for four types of semi-rigid, heat-shrinkable polyolefin sleeving with a nominal shrink ratio of 2:1 that has been found suitable for temperatures up to 135 °C.

- Type A: general purpose, flame-retarded, opaque colours;
- Type B: general purpose, non flame-retarded, translucent;
- Type C: fluid resistant, flame-retarded, opaque colours;
- Type D: fluid resistant, non flame-retarded, translucent.

The sleeving is normally available in internal diameter sizes up to 12,7 mm as supplied, in the following colours: black, white, red, yellow, blue and translucent.

Sizes or colours other than those specifically listed in this standard may be available as custom items. The items are considered to comply with this standard if they comply with the property requirements listed in tables 2, 3 and also with the property requirements of Table 4 for types C and D, excluding dimensions.

Materials which conform to this specification 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 specification alone.

#### 2 Normative references

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

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

IEC 60684-2:1997, *Flexible insulating sleeving – Part 2: Methods of test*<sup>1)</sup>  
Amendment 1 (2003)  
Amendment 2 (2005)

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

ISO 1817:2005, *Rubber, vulcanized – Determination of the effect of liquids*

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<sup>1)</sup> A consolidated edition 2.1 exists, including IEC 60684-2:1997 and its Amendment 1 (2003).