INTERNATIONAL STANDARD

IEC 60684-3-214

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Flexible insulating sleeving –

Part 3:
Specifications for individual types of sleeving –
Sheet 214: Heat-shrinkable polyolefin sleeving, not flame retarded, shrink ratio 3:1 –
Thick and medium wall

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FOREWORD

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International Standard IEC 60684-3-214 has been prepared by IEC technical committee 15: Standards on specifications for electrical Insulating materials.

This second edition replaces the first edition (2001) and constitutes a technical revision.

The main change with respect to the previous edition is as follows:

The thermal endurance test method according to IEC 60216 has been replaced with a long term ageing test i.e. 3 000 h (see Amendment 1 to IEC 60684-2), at the recommended maximum temperature found suitable for use, to provide safe thermal test data within a workable time scale.

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

FDIS	Report on voting
15/230/FDIS	15/248/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.

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- withdrawn;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 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, shrink ratio 2:1 – Thick and medium wall

FLEXIBLE INSULATING SLEEVING –

Part 3: Specifications for individual types of sleeving – Sheet 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, shrink ratio 3:1 – Thick and medium wall

1 Scope

This standard gives the requirements for two types of heat-shrinkable, not flame retarded, polyolefin sleeving with a nominal shrink ratio of 3:1 and with thick and medium wall. This sleeving has been found suitable at temperatures up to 135 °C.

– Type A: Medium wall – internal diameter of up to 180,0 mm.

– Type B: Thick wall – internal diameter of up to 160,0 mm.

These sleevings are normally supplied in black.

Sizes or colours other than those specifically listed in this standard may be available as custom items. These items are in compliance with this standard if they comply with the property requirements listed in Tables 3, 4, 5 and 6 except for dimensions and mass.

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 60296:2003, *Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and switchgear*
Amendment 1 (2003)

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*
Amendment 1 (2003)

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

ISO 846:1997, *Plastics – Evaluation of the action of microorganisms*