



BSI Standards Publication

# Heat-shrinkable moulded shapes

Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance

Sheet 100: Heat-shrinkable moulded shape dimensions

**National foreword**

This British Standard is the UK implementation of EN 62329-3-100:2010. It is identical to IEC 62329-3-100:2010.

The UK participation in its preparation was entrusted by Technical Committee GEL/15, Solid electrical insulating materials, to Subcommittee GEL/15/5, Flexible insulating sleeving for electrical purposes.

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

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NORME EUROPÉENNE  
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English version

**Heat-shrinkable moulded shapes -  
Part 3: Specification requirements for shape dimensions, material  
requirements and compatibility performance -  
Sheet 100: Heat-shrinkable moulded shape dimensions  
(IEC 62329-3-100:2010)**

Profilés thermorétractables -  
Partie 3: Exigences relatives  
aux dimensions des profilés, exigences  
de matériaux et performances  
de compatibilité -  
Feuille 100: Dimensions des profilés  
thermorétractables  
(CEI 62329-3-100:2010)

Wärmeschrumpfende Formteile -  
Teil 3: Anforderungen für Formteilmaße,  
Materialeigenschaften  
und Kompatibilitätsverhalten -  
Blatt 100: Abmessungen  
für wärmeschrumpfende Formteile  
(IEC 62329-3-100:2010)

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## Foreword

The text of document 15/568/FDIS, future edition 1 of IEC 62329-3-100, prepared by IEC TC 15, Solid electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62326-3-100 on 2010-07-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) | 2011-04-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn                                               | (dow) | 2013-07-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62329-3-100:2010 was approved by CENELEC as a European Standard without any modification.

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## **Annex ZA**

(normative)

### **Normative references to international publications with their corresponding European publications**

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.

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

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                     | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|----------------------------------------------------------------------------------|--------------|-------------|
| IEC 60757          | 1983        | Code for designation of colours                                                  | HD 457 S1    | 1985        |
| IEC 62329-1        | -           | Heat shrinkable moulded shapes -<br>Part 1: Definitions and general requirements | EN 62329-1   | -           |

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## INTRODUCTION

This International Standard is one of a series that deals with heat-shrinkable moulded shapes for electrical purposes.

The series consists of three parts:

Part 1: Definitions and general requirements (IEC 62329-1)

Part 2: Methods of test (IEC 62329-2)

Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance

This standard gives one of the sheets comprising part 3 as follows:

Sheet 100: Heat-shrinkable moulded shape dimensions

## HEAT-SHRINKABLE MOULDED SHAPES –

### Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance – Sheet 100: Heat-shrinkable moulded shape dimensions

#### 1 Scope

This sheet of IEC 62329-3 gives the dimensional requirements for heat-shrinkable moulded shapes.

The moulded shapes may be supplied with a pre-coated adhesive. Refer to the manufacturers/suppliers for options.

These moulded shapes are normally supplied in the styles and dimensions given in Tables 1 to 22. The colour is normally black.

Styles and dimensions other than those specifically listed in Tables 1 to 22 may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in the sheets for material performance, with the exception of dimensions.

Materials that 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 62329-1, *Heat-shrinkable moulded shapes – Part 1: Definitions and general requirements*

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

#### 3 Designation

The moulded shapes shall be designated as shown by the following example:

| Description       | IEC<br>publication<br>number | IEC Part<br>number | IEC Sheet<br>number<br>c | IEC<br>style/size<br>code | Colour | Adhesive<br>a | Drain holes<br>b |
|-------------------|------------------------------|--------------------|--------------------------|---------------------------|--------|---------------|------------------|
| ↓                 | ↓                            | ↓                  | ↓                        | ↓                         | ↓      | ↓             | ↓                |
| Moulded<br>shapes | IEC 62329                    | 3                  | 101                      | B/01                      | BK     | W1            | D                |

a Insert UC if uncoated.

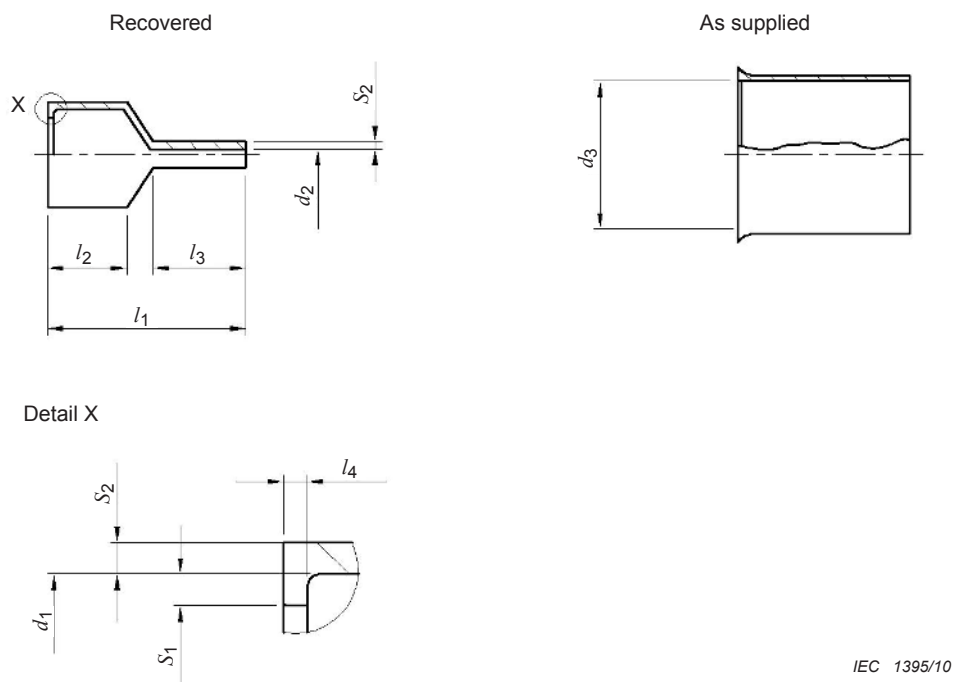
b Insert N if no drain holes.

c Sheets for material requirements and compatibility performance.

Any abbreviation for colour shall comply with IEC 60757. Where no abbreviation is given, the colour shall be written in full.

## **4 Requirements**

In addition to the general requirements given in IEC 62329-1, the heat-shrinkable moulded shapes shall comply with the requirements in Tables and Figures 1 to 22 and the sheets for material and compatibility performance.



IEC 1395/10

Figure 1 – Style AA (small lipped bottle)

Table 1 – Dimensions in millimetres of style AA

| Size<br>code | $d_1$<br>max. | $d_2$<br>max. | $d_3$<br>min.<br>a | $l_1$<br>±10 % | $l_2$<br>ref. | $l_3$<br>ref. | $l_4$<br>max. | $S_1$<br>±20 % | $S_2$<br>±20 % | $S_3$<br>±30 % | Max.<br>mass<br>g <sup>b</sup> |  |  |  |  |  |  |
|--------------|---------------|---------------|--------------------|----------------|---------------|---------------|---------------|----------------|----------------|----------------|--------------------------------|--|--|--|--|--|--|
| 01           | 5,2           | 1,5           | 9,0                | 20,0           | 4,0           | 6,6           | 0,8           | 0,35           | 0,8            | 0,6            | 1,5                            |  |  |  |  |  |  |
| 02           | 5,8           | 2,2           | 10,0               | 19,0           | 11,0          | 4,5           | 1,5           | 0,5            | 0,8            | 0,5            | 1,5                            |  |  |  |  |  |  |
| 03           | 5,5           | 2,0           | 9,0                | 25,0           | 14,0          | 5,0           | 2,0           | 1,0            | 1,0            | 0,7            | 1,5                            |  |  |  |  |  |  |
| 04           | 7,0           | 3,0           | 12,0               |                |               | 7,5           |               |                | 1,1            |                | 1,5                            |  |  |  |  |  |  |
| 05           | 8,0           | 3,5           | 17,0               | 30,0           | 19,0          | 10,0          |               |                | 1,3            |                | 1,5                            |  |  |  |  |  |  |
| 06           | 6,9           | 3,0           |                    | 29,0           | 14,0          | 11,0          |               |                |                |                | 1,5                            |  |  |  |  |  |  |
| 07           |               |               |                    | 39,0           | 24,0          |               |               |                |                |                | 1,5                            |  |  |  |  |  |  |

NOTE These parts may be available with eyelets for connector protection caps. Refer to the individual manufacturer.

<sup>a</sup> Shapes made from some material types may be supplied with a reduced  $d_3$  diameter. Refer to the individual manufacturer for exact dimensions.

<sup>b</sup> The values of mass may be higher for some material types. Refer to the individual manufacturer.