

BRITISH STANDARD

Electric cables –

Code of practice for the storage, handling, installation and disposal of cables on wooden drums

ICS 29.060.20



NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© BSI 2008

ISBN 978 0 580 59979 8

The following BSI references relate to the work on this standard:

Committee reference GEL/20/17

Draft for comment 07/30169968 DC

Publication history

First published March 2008

Amendments issued since publication

Amd. no.	Date	Text affected
-----------------	-------------	----------------------

Contents

Foreword *ii*

1	Scope	<i>1</i>
2	Normative references	<i>1</i>
3	Terms and definitions	<i>2</i>
4	Personal protective equipment	<i>3</i>
5	Storage	<i>3</i>
6	Manual handling	<i>5</i>
7	Lifting	<i>5</i>
8	Unwinding and rewinding	<i>6</i>
9	Storage and handling at the installation site	<i>8</i>
10	Installation	<i>9</i>
11	Disposal	<i>9</i>

Bibliography *10*

List of figures

Figure 1a	– Correct drum storage	<i>4</i>
Figure 1b	– Incorrect drum storage	<i>4</i>
Figure 1c	– Drum storage – view from the top	<i>4</i>
Figure 2	– Handling drums	<i>5</i>
Figure 3	– Lifting by crane	<i>6</i>
Figure 4	– Lifting by fork lift trucks	<i>6</i>
Figure 5	– Unwinding cable	<i>6</i>
Figure 6	– Rewinding cable	<i>7</i>

List of tables

Table 1	– Minimum barrel diameters for 600/1 000 V single wire armoured cables	<i>8</i>
---------	--	----------

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, an inside back cover and a back cover.

Foreword

Publishing information

This British Standard is published by BSI and came into effect on 31 March 2008. It was prepared by Subcommittee GEL/20/17, *Low voltage cables*, under the authority of Technical Committee GEL/20, *Electric cables*. A list of organizations represented on this committee can be obtained on request to its secretary.

Information about this document

This is a new standard, which has been written to give sound guidance on how to handle cables supplied on wooden drums between the point of manufacture and the point of installation. The need for such guidance is most apparent when cables are packed, transported, stored and handled in the form of coils wound on to large wooden cable drums, and is primarily intended for stockists, wholesalers, distributors and contractors. The purpose of this new code of practice is to offer codified information to ensure that cable reaches the point of installation in the best possible condition and can be used as part of any health and safety assessment.

Use of this document

As a code of practice, this British Standard takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this British Standard is expected to be able to justify any course of action that deviates from its recommendations.

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Presentational conventions

The provisions in this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This British Standard gives recommendations for the storage and handling of cables for fixed installations, rated up to 1 900/3 300 V, that are packaged on wooden cable drums suitable for storage outdoors.

NOTE The recommendations could also be applied to:

- *cables of higher rated voltages that are packaged on wooden drums; and*
- *cables of similar size, on similar wooden drums, and made to standards and specifications not specifically quoted here.*

This standard does not cover metal drums, cable spools or cable reels, or trailing and reeling cables.

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.

BS 5308 (all parts), *Instrumentation cables*

BS 5467, *Electric cables – Thermosetting insulated, armoured cables for voltages of 600/1 000 V and 1 900/3 300 V*

BS 6004, *Electric cables – PVC insulated, non-armoured cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring*

BS 6007, *Electric cables – Single core unsheathed heat resisting cables for voltages up to and including 450/750 V, for internal wiring*

BS 6195, *Electric cables – Rubber or silicone rubber insulated flexible cables and cords for coil end leads*

BS 6231, *Electric cables – Single core PVC insulated flexible cables of rated voltage 600/1 000 V for switchgear and controlgear wiring*

BS 6346, *Electric cables – PVC insulated, armoured cables for voltages of 600/1 000 V and 1 900/3 300 V*

BS 6500, *Electric cables – Flexible cords rated up to 300/500 V, for use with appliances and equipment intended for domestic, office and similar environments*

BS 6724, *Electric cables – Thermosetting insulated, armoured cables for voltages of 600/1 000 V and 1 900/3 300 V, having low emission of smoke and corrosive gases when affected by fire*

BS 6883, *Elastomer insulated cables for fixed wiring in ships and on mobile and fixed offshore units – Requirements and test methods*

BS 7211, *Electric cables – Thermosetting insulated, non-armoured cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring, and having low emission of smoke and corrosive gases when affected by fire*