

BS 7870-3.40:2011

Incorporating Corrigendum No. 1



BSI Standards Publication

LV and MV polymeric insulated cables for use by distribution and generation utilities

Part 3: Specification for distribution cables of rated voltage 0.6/1 kV

Section 3.40: XLPE insulated, copper wire waveform concentric cables with solid aluminium conductors
(Implementation of HD 603)



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Published by BSI Standards Limited 2012

ISBN 978 0 580 78838 3

ICS 29.060.20

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

Committee reference GEL/20/16

Draft for comment 11/30214068 DC

Publication history

BS 7870-3.4 first published December 1996

First published as BS 7870-3.40 (revision of BS 7870-3.4), September 2001

Second (present) edition, December 2011

Amendments issued since publication

Date	Text affected
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August 2012	See foreword
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Foreword

Publishing information

This section of BS 7870 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2011. It was prepared by Subcommittee GEL/20/16, *Medium/High voltage cables*, under the authority of Technical Committee GEL/20, *Electric cables*. A list of organizations represented on these committees can be obtained on request to their secretary.

Supersession

This section of BS 7870 supersedes BS 7870-3.40:2001, which is withdrawn.

Relationship with other publications

BS 7870 implements the nationally applicable parts of Harmonization Documents HD 603, 605, 620, 626 and 627 published by the European Committee for Electrotechnical Standardization (CENELEC) in accordance with the decision of the CENELEC Technical Board.

BS 7870 applies to cables for fixed installations having a rated voltage U_0/U up to and including 19/33 kV, and is published as a series of separate parts and sections, as listed in the table in the foreword of BS 7870-1.

BS 7870-3.40 specifies a range of XLPE insulated, copper wire waveform concentric cables with solid aluminium conductors; it implements Part 5R of HD 603 S1 A2, and is to be read in conjunction with BS 7870-1 and BS 7870-2.

Information about this document

This is a full revision of the standard, and brings the standard up to date in accordance with current practice in the industry.

The start and finish of text introduced or altered by Corrigendum No. 1 is indicated in the text by tags **[C1]** and **[C1]**.

A general guide to use for the types of cable specified in BS 7870 is given in BS 7870-1 and specific details for the types of cable specified in this section of BS 7870 are given in Annex A.

Hazard warnings

WARNING. This British Standard calls for the use of substances and/or procedures that can be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

Use of this document

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 of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

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.

