

**BS 7870-3.11:2011**

*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 3.11: XLPE insulated combined neutral and earth copper wire concentric cables with copper or aluminium conductors

(Implementation of HD 603)



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### Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 12, an inside back cover and a back cover.

## 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This section of BS 7870 supersedes BS 7870-3.11:2001, which is withdrawn.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 7870-3.11 specifies a range of XLPE insulated combined neutral/earth (CNE) service cables; it implements Part 5S of HD 603 S1 A3, and is to be read in conjunction with BS 7870-1 and BS 7870-2.

BS 7870-3.10 specifies a similar range of CNE cables having PVC insulation.

BS 7870-3.12 specifies a similar range of CNE cables which have XLPE insulation and low emission of smoke and corrosive gases when affected by fire.

### 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

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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.

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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.*

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