National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50363-9-1:2005

ICS 29.035.20

INSULATING, SHEATHING AND COVERING MATERIALS FOR LOW VOLTAGE ENERGY CABLES -- PART 9-1: MISCELLANEOUS INSULATING COMPOUNDS - CROSS-LINKED POLYVINYL CHLORIDE (XLPVC)

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EUROPEAN STANDARD **EN 50363-9-1**

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English version

Insulating, sheathing and covering materials for low voltage energy cables Part 9-1: Miscellaneous insulating compounds – Cross-linked polyvinyl chloride (XLPVC)

Matériaux pour enveloppe isolante, gainage et revêtement pour les câbles d'énergie basse tension
Partie 9-1: Mélanges divers pour enveloppe isolante –
Polychlorure de vinyle réticulé (XLPVC)

Isolier-, Mantel- und Umhüllungswerkstoffe für Niederspannungskabel und -leitungen
Teil 9-1: Diverse Isoliermischungen - Vernetztes Polyvinylchlorid (XLPVC)

This European Standard was approved by CENELEC on 2005-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC
European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Ref. No. EN 50363-9-1:2005 E

Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 20, Electric cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50363-9-1 on 2005-11-01.

EN 50363 (in all its parts) supersedes the equivalent information at present in HD 21.1 S4, HD 21.14 S1, HD 22.1 S4, HD 22.10 S1, HD 22.14 S2 and prHD 21.15 S1. The existing information in these HDs will be deleted at the next maintenance review.

EN 50363-9-1 should be read in conjunction with EN 50363-0.

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)	2006-11-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2007-11-01

Contents

1 Scope

This part of EN 50363 specifies the test requirements for the physical properties of the harmonised cross-linked PVC insulating compound given in Table 1. The relevant test methods are given in EN 60811 series.

NOTE This part of EN 50363 is to be read in conjunction with EN 50363-0.

Table 1 - Types of XLPVC insulating compound

Type	Maximum cable operating temperature °C	General application
XI 1	70	Cords requiring high flexibility, for example iron cords

2 Normative references

For the purposes of this part of EN 50363, the requirements of EN 50363-0, Clause 2, apply with regard to normative references.

3 Definitions

For the purposes of this part of EN 50363, the definitions given in EN 50363-0, Clause 3, apply.

4 Properties

Each compound shall meet the particular requirements listed in Table 2, when using the test methods referenced in columns 4 and 5.

NOTE For cross-references to the latest editions of the test method standards see Table 2 of EN 50363-0.