



NSAI
Standards

Irish Standard
I.S. EN 50363-2-1:2005

Insulating, sheathing and covering materials for low voltage energy cables -- Part 2-1: Cross-linked elastomeric sheathing compounds

I.S. EN 50363-2-1:2005

Incorporating amendments/corrigenda issued since publication:

EN 50363-2-1:2005/A1:2011

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<i>This document replaces:</i>	<i>This document is based on:</i> EN 50363-2-1:2005	<i>Published:</i> 18 November, 2005
This document was published under the authority of the NSAI and comes into effect on: 16 December, 2005		ICS number: 29.035.20
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeán Náisiúnta na hÉireann		

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50363-2-1/A1

March 2011

ICS 29.035.20

English version

**Insulating, sheathing and covering materials for low voltage energy
cables -
Part 2-1: Cross-linked elastomeric sheathing compounds**

Matériaux pour enveloppe isolante,
gainage et revêtement pour les câbles
d'énergie basse tension -
Partie 2-1: Mélanges élastomères
réticulés pour gaine

Isolier-, Mantel- und
Umhüllungswerkstoffe für
Niederspannungskabel und -leitungen -
Teil 2-1: Vernetzte, elastomere
Mantelmischungen

This amendment A1 modifies the European Standard EN 50363-2-1:2005; it was approved by CENELEC on 2011-03-14. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

I.S. EN 50363-2-1:2005

EN 50363-2-1:2005/A1:2011

- 2 -

Foreword

This amendment was prepared by the Technical Committee CENELEC TC 20.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 50363-2-1:2005 on 2011-03-14.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2012-03-14
 - latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2014-03-14
-

Table 2

Against footnote c) **replace** “No positive tolerance” by “No limit for the positive tolerance”.

This page is intentionally left BLANK.

EUROPEAN STANDARD

EN 50363-2-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2005

ICS 29.035.20

English version

**Insulating, sheathing and covering materials
for low voltage energy cables
Part 2-1: Cross-linked elastomeric sheathing compounds**

Matériaux pour enveloppe isolante,
gainage et revêtement pour les câbles
d'énergie basse tension
Partie 2-1 : Mélanges élastomères
réticulés pour gaine

Isolier-, Mantel- und
Umhüllungswerkstoffe für
Niederspannungskabel und -leitungen
Teil 2-1: Vernetzte, elastomere
Mantelmischungen

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

I.S. EN 50363-2-1:2005

EN 50363-2-1:2005

– 2 –

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 50363-2-1 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 50363-2-1 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	4
2	Normative references	4
3	Definitions.....	4
4	Properties	4
Table 1 – Types of cross-linked elastomeric sheathing compound		4
Table 2 – Requirements for the tests for crosslinked elastomeric sheathing compounds.....		5

I.S. EN 50363-2-1:2005

EN 50363-2-1:2005

– 4 –

1 Scope

This part of EN 50363 specifies the requirements for the physical properties of the cross-linked elastomeric sheathing compounds given in Table 1. The relevant test methods are given in EN 60811 series and EN 50396.

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

Table 1 – Types of cross-linked elastomeric sheathing compound

Type	Maximum cable operating temperature °C	General application
EM 2	60	Ordinary duty oil-resisting and flame retardant – PCP or equivalent synthetic elastomer
EM 3	60	Ordinary duty – EPR compound or other equivalent synthetic elastomer
EM 4	110	Ordinary duty – EVA or equivalent synthetic elastomer
EM 6	90	Ordinary duty and including use down to -40 °C – EPR or equivalent synthetic elastomer; for cables insulated with EI 6
EM 7	90	Ordinary duty CSP or equivalent synthetic elastomer; for cables insulated with EI 7
EM 9	180	Ordinary duty Silicone rubber

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.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-