National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61442:2005

ICS 19.080.
290.060.20

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TEST METHODS FOR ACCESSORIES FOR POWER CABLES WITH RATED VOLTAGES FROM 6 KV (UM = 7,2 KV) UP TO 36 KV (UM = 42 KV) (IEC 61442:2005, MODIFIED)

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

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EUROPEAN STANDARD **EN 61442**

NORME EUROPÉENNE

EUROPÄISCHE NORM April 2005

ICS 19.080; 290.060.20 Supersedes HD 628 S1:1996 + A1:2001

English version

Test methods for accessories for power cables with rated voltages from 6 kV (U_m = 7,2 kV) up to 36 kV (U_m = 42 kV)

(IEC 61442:2005, modified)

Méthodes d'essais des accessoires de câbles d'énergie de tensions assignées de 6 kV (U_m = 7,2 kV) à 36 kV (U_m = 42 kV) (CEI 61442:2005, modifiée)

Prüfverfahren für Starkstromkabelgarnituren mit einer Nennspannung von 6 kV (U_m = 7,2 kV) bis 36 kV (U_m = 42 kV) (IEC 61442:2005, modifiziert)

This European Standard was approved by CENELEC on 2005-03-01. 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

Ref. No. EN 61442:2005 E

Foreword

The text of document 20/748/FDIS, future edition 2 of IEC 61442, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61442 on 2005-03-01.

A draft amendment, prepared by the Technical Committee CENELEC TC 20, Electric cables, was submitted to the formal vote and was approved by CENELEC for inclusion into EN 61442 on 2005-03-01.

This European Standard supersedes HD 628 S1:1996 + A1:2001.

In comparison with HD 628, the impact test at low temperature has been deleted.

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)	2006-01-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2008-03-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61442:2005 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Title

Amend the title to show the following upper voltage limit:

"… with rated voltages from 6 kV (U_m = 7,2 kV) up to 36 kV (U_m = 42 kV)"

1 Scope

Amend the voltage reference in paragraph 1 to read:

"… with rated voltages from 6 kV (U_m = 7,2 kV) up to 36 kV (U_m = 42 kV), …"

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60055-1	- [1)]	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) Part 1: Tests on cables and their accessories	-	-
IEC 60060-1 + corr. March	1989 1990	High-voltage test techniques Part 1: General definitions and test requirements	HD 588.1 S1	1991
IEC 60230	1966	Impulse tests on cables and their accessories	EN 60230	2002
IEC 60270	2000	High-voltage test techniques - Partial discharge measurements	EN 60270	2001
IEC 60502-2	2005	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (U_m = 1,2 kV) up to 30 kV (U_m = 36 kV) Part 2: Cables for rated voltages from 6 kV (U_m = 7,2 kV) up to 30 kV (U_m = 36 kV)	-	-
IEC 60811-1-2	1985	Insulating and sheathing materials of electric cables - Common test methods Part 1-2: General application - Thermal ageing methods	EN 60811-1-2 [2)]	1995
IEC 60885-3	1988	Electrical test methods for electric cables Part 3: Test methods for partial discharge measurements on lengths of extruded power cables	EN 60885-3	2003
IEC 60986	2000	Short-circuit temperature limites of electric cables with rated voltagesf from 6 kV (U_m = 7,2 kV) up to 30 kV (U_m = 36 kV)	-	-

1) Undated reference.

2) EN 60811-1-2 includes corrigendum May 1988 + A1:1989 to IEC 60811-1-2:1985.

Publication	Year	Title	EN/HD	Year
IEC 61238-1 (mod)	2003	Compression and mechanical connectors for power cables for rated voltages up to 36 kV (U_m = 42 kV) Part 1: Test methods and requirements	EN 61238-1	2003