



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60228:2005

ICS 29.060.20

**CONDUCTORS OF INSULATED CABLES (IEC
60228:2004)**

National Standards
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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 60228

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2005

ICS 29.060.20

Supersedes HD 383 S2:1986 + A1:1989 + A2:1993
Incorporates Corrigendum May 2005

English version

Conductors of insulated cables (IEC 60228:2004)

Ames des câbles isolés
(CEI 60228:2004)

Leiter für Kabel und isolierte Leitungen
(IEC 60228:2004)

This European Standard was approved by CENELEC on 2004-12-07. 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

Foreword

The text of document 20/718/FDIS, future edition 3 of IEC 60228, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60228 on 2004-12-07.

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 60228 on 2004-12-07.

This European Standard supersedes HD 383 S2:1986 + A1:1989 + A2:1993.

The principal changes with respect to HD 383 S2 are

- addition of a definition for nominal cross-sectional area;
- an increase in the range of conductor sizes in Tables 1 and 2;
- addition of a note that solid aluminium alloy conductors, having the same dimensions as aluminium conductors, will have a higher resistance;
- strengthening of the recommendations for dimensional limits of compacted stranded copper conductors.

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) | 2005-09-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2007-12-01 |

Annex ZA, Special national conditions, has been added by CENELEC.

The contents of the corrigendum of May 2005 have been included in this copy.

Endorsement notice

The text of the International Standard IEC 60228:2004 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Special national conditions

Special national condition: National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions. If it affects harmonization, it forms part of the European Standard.

For the countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

Clause Special national condition

Table 3 **Cyprus, Ireland, United Kingdom**

Add:

| | | | |
|------|------|------|------|
| 1,25 | 0,21 | 15,6 | 16,1 |
|------|------|------|------|

NOTE This conductor is for cables which are intended for use on appliances fitted with 13 A plugs conforming to BS 1363-1 or I.S. 401.

Table C.1 **Cyprus, Ireland, United Kingdom**

Add:

| | | | |
|------|---|---|-----|
| 1,25 | – | – | 1,7 |
|------|---|---|-----|

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