



National Standards Authority of Ireland

IRISH STANDARD

I.S. HD 22.1 S4:2002

ICS 29.060.20

**CABLES OF RATED VOLTAGES UP TO AND
INCLUDING 450/750 V AND HAVING
CROSS-LINKED INSULATION
PART 1 GENERAL REQUIREMENTS**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on
January 16, 2003*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

HARMONIZATION DOCUMENT

HD 22.1 S4

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

November 2002

ICS 29.060.20

Supersedes HD 22.1 S3:1997

English version

**Cables of rated voltages up to and including 450/750 V
and having cross-linked insulation
Part 1: General requirements**

Conducteurs et câbles isolés
avec des matériaux réticulés
de tension assignée
au plus égale à 450/750 V
Partie 1: Prescriptions générales

Starkstromleitungen mit vernetzter
Isolierhülle mit Nennspannungen
bis 450/750 V
Teil 1: Allgemeine Anforderungen

This Harmonization Document was approved by CENELEC on 2002-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

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

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

This edition 4 of HD 22.1 has been prepared by the Technical Committee CLC/TC 20, Electric cables.

HD 22 was originally adopted by CENELEC on 9th July 1975.

Edition 2 of HD 22 was implemented on 1st January 1984. A third edition of Part 1 was published in September 1997.

This 4th edition provides a full updating, including incorporation of amendments ratified during the maintenance of Part 3 onwards of HD 22, and introduces other improvements.

HD 22.1 S4 is related to IEC 60245-1:1994, but is not directly equivalent.

HD 22 now has the following parts:

HD 22.1 S4	General requirements
HD 22.2 S3	Test methods
HD 22.3 S3	Heat resistant silicone rubber insulated cables
HD 22.4 S3	Cords and flexible cables
HD 22.5	(Spare)
HD 22.6 S2	Arc welding cables
HD 22.7 S2	Cables with increased heat resistance for internal wiring for a conductor temperature of 110 °C
HD 22.8 S2	Polychloroprene or equivalent synthetic elastomer sheathed cable for decorative chains
HD 22.9 S2	Single core non-sheathed cables for fixed wiring having low emission of smoke and corrosive gases
HD 22.10 S1	EPR insulated and polyurethane sheathed flexible cable
HD 22.11 S1	EVA cords and flexible cables
HD 22.12 S1	Heat resistant EPR cords and flexible cables
HD 22.13 S1	Single and multicore flexible cables, insulated and sheathed with cross-linked polymer and having low emission of smoke and corrosive gases
HD 22.14 S2	Cords for applications requiring high flexibility
HD 22.15 S1	Multicore cables insulated and sheathed with heat resistant silicone rubber
HD 22.16 S1	Water resistant polychloroprene or equivalent synthetic elastomer sheathed cables

In order that this revision of Part 1 of HD 22 does not introduce unnecessary changes to long-established clause numbers, the normative references (which would otherwise be inserted as clause 2) are given in annex A.

The draft Harmonization Document was submitted to the Unique Acceptance Procedure and approved by CENELEC as HD 22.1 S4 on 2002-09-01.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2003-03-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2003-09-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2003-09-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex A is normative and annex B is informative.

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