

Electric cables — Accessories — Material characterization —

Part 1: Resinous compounds before cure and in the cured state

(Implementation of HD 631.1:1998)

ICS 29.035.20

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National foreword

This British Standard implements Harmonization Document HD 631.1:1998, which was published by the European Committee for Electrotechnical Standardization (CENELEC).

The UK participation in its preparation was entrusted by Technical Committee GEL/20, Electric cables, to Subcommittee GEL/20/7, Cable joints and terminations, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the HD title page, pages 2 to 8, an inside back cover and a back cover.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 December 1998

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Amendments issued since publication

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English version

Material characterization

Part 1: Compounds for use in cable accessories: Resinous compounds before cure and in the cured state

Caractérisation des matériaux
Partie 1: Matières de remplissage des accessoires
de câbles: Composés résineux avant et après
polymérisation

Materialcharakterisierung
Teil 1: Vergußmassen für die Anwendung in
Kabelgarnituren: Gießharzmassen von dem
Aushärten und im ausgehärteten Zustand

This Harmonization Document was approved by CENELEC on 1998-04-01. 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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

This Harmonization Document was prepared by a task force under the direction of Working Group 11 of CENELEC TC20, Electric cables. At its meeting in Copenhagen (June 1996) TC20 agreed to send it to Formal Voting.

This is Part 1 of HD 631, *Materials characterization*.

This part defines a list of tests needed to characterize the solvent free polymerizable, reacting resinous compounds used for electrical insulation and mechanical protection in cable accessories covered by the following CENELEC HDs:

HD 623, *Specification for joints, stop ends and outdoor terminations for distribution cables of rated voltage 0,6/1,0 kV*.

HD 629.1, *Test requirements on accessories for use on power cables of rated voltages from 3,6/6(7,2) kV up to 20,8/36(42) kV Part 1: Cables with extruded insulation*.

HD 629.2, *Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV Part 2: Cables with impregnated paper insulation*.

Further parts will cover other material types used in cable accessories, e.g. heat shrink materials and cold shrink materials, and also screening tests.

The text of the draft was submitted to the formal vote and was approved by CENELEC as HD 631.1 S1 on 1998-04-01.

The following dates were fixed:

— latest date by which the existence of the HD has to be announced at national level (doa) 1998-09-01

— latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 1999-03-01

— latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 1999-03-01

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