TECHNICAL REPORT

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

CLC/TR 62125

April 2008

ICS 13.020.01; 29.060.20

English version

Environmental statement specific to TC 20 - Electric cables
(IEC/TR 62125:2007)

Déclaration environnementale spécifique au TC 20 - Câbles électriques (CEI/TR 62125:2007)

Umwelterklärung für TC 20 - Kabel und isolierte Leitungen (IEC/TR 62125:2007)

This Technical Report was approved by CENELEC on 2008-01-25.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, 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

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Comité Européen de Normalisation Electrotechnique
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Ref. No. CLC/TR 62125:2008 E

Foreword

The text of the Technical Report IEC/TR 62125:2007, prepared by IEC TC 20, Electric cables, was submitted to vote and was approved by CENELEC as CLC/TR 62125 on 2008-01-25.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the Technical Report IEC/TR 62125:2007 was approved by CENELEC as a Technical Report without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068	NOTE Harmonized in EN 60068 series (not modified).
IEC 60721	NOTE Harmonized in EN 60721 series (not modified).
ISO 14001	NOTE Harmonized as EN ISO 14001:2004 (not modified).
ISO 14040	NOTE Harmonized as EN ISO 14040:2006 (not modified).

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

Publication	Year	Title	EN/HD	Year
IEC Guide 109	-[1)]	Environmental aspects - Inclusion in electrotechnical product standards	-	-
ISO Guide 64	-[1)]	Guide for the inclusion of environmental aspects in product standards	-	-
ISO/TR 14062	-[1)]	Environmental management - Integrating environmental aspects into product design and development	-	-

[1)] Undated reference.

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INTRODUCTION

The cable sector has always considered the impact of electric cables on the environment, in relation to their service conditions, and particularly for utility cables. Over the years, energy utilities have considerably increased their requirements to take into account the environmental impact of electric cables.

IEC TC 20 is constantly reviewing its approach to the incorporation of environmental aspects into standards for electric cables and their components. Environmental considerations should be included in both design and redesign work with respect to the raw materials used, energy consumption and emissions during production, end of life disposal or recycling, and in-service performance.

For example, there is an environmental demand for more efficient operation of electric cables (lower transmission losses, reduced heating effects, and, as a result, lower emission of greenhouse gases). There is some information on suitable cable design parameters to achieve lower losses. Unfortunately, diverse pressures from a number of interests usually result in the need to compromise in this area.

ENVIRONMENTAL STATEMENT SPECIFIC TO IEC TC 20 – ELECTRIC CABLES

1 Scope

IEC/TR 62125, which is a technical report, is intended to give assistance to standard-writers of IEC Technical Committee 20, to take into account the relevant environmental aspects as far as they are specific to electric cables in normal use. It also assists them to keep in mind a clear methodology when considering these aspects and when checking possible interaction of the normative requirements with the environment. Also, these guidelines assist standard-writers to avoid too simple or too stringent requirements that might not achieve a favourable global result.

This technical report, by its very nature, is not prescriptive and does not limit innovation.

NOTE 1 The term 'environment', as used in this report, differs from the term as used in those IEC standards dealing with the impact of environmental conditions on electrotechnical products (see 3.1).

NOTE 2 As regards the impact of environmental conditions on the performance of products, reference is made to IEC 60068, IEC 60721 and IEC Guide 106.

2 Normative references

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.

IEC Guide 109, *Environmental aspects – Inclusion in electrotechnical product standards*

ISO Guide 64, *Guide for the inclusion of environmental aspects in product standards*

ISO/TR 14062, *Environmental management – Integrating environmental aspects into product design and development*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
environment
all attributes which affect the quality of life, such as water, air, and soil quality, conservation of energy and materials and avoidance of waste

3.2
life cycle
consecutive and interlinked stages of the manufacture, installation, use, and disposal of a product, from raw material acquisition or generation of natural resources to the final disposal

NOTE The raw material is considered to be the base raw material, incorporated in relevant products.

3.3
life cycle approach
methodology of taking into account the life cycle of a product in order to assess the consequences on the environment