Communication cables - Part 4-1: General considerations for the use of cables; Environmental conditions and safety aspects

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50290-4-1:2002 sisaldab Euroopa standardi EN 50290-4-1:2001 ingliskeelset teksti.

Käesolev dokument on jõustatud 15.10.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 50290-4-1:2002 consists of the English text of the European standard EN 50290-4-1:2001.

This document is endorsed on 15.10.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This Part 4-1 of the European Standard EN 50290 gives the environmental conditions and installation aspects of symmetrical, coaxial and optical cables used for the infrastructure of communication and control networks. It is completed by the guide for use EN 50290-4-2. However, the relevant generic and sectional specifications always take precedence on this guide.

Scope:

This Part 4-1 of the European Standard EN 50290 gives the environmental conditions and installation aspects of symmetrical, coaxial and optical cables used for the infrastructure of communication and control networks. It is completed by the guide for use EN 50290-4-2. However, the relevant generic and sectional specifications always take precedence on this guide.

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English version

Communication cables Part 4-1: General considerations for the use of cables – Environmental conditions and safety aspects

Câbles de communication
Partie 4-1: Considérations générales pour l'utilisation des câbles –
Conditions d'environnement et aspects d'installation

Kommunikationskabel
Teil 4-1: Allgemeine Betrachtungen für die Anwendung der Kabel –
Bedingungen der Umgebung und Sicherheitsaspekte

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CENELEC

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

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50290-4-1 on 2001-05-01.

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) 2002-04-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2004-04-01

ared u. ppean Fre. This European Standard has been prepared under the European Mandate M/212 given to CENELEC by the European Commission and the European Free Trade Association.

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1 Scope

This Part 4-1 of the European Standard EN 50290 gives the environmental conditions and safety aspects of symmetrical, coaxial and optical cables used for the infrastructure of communication and control networks.

It is to be read in conjunction with EN 50290-1-1 and is completed by generic, sectional, family and detail specifications, as appropriate, to describe in a detailed manner each type of cable with its specific characteristics.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 50289	series	Communication cables - Specifications for test methods
EN 50290-1-21)		Communication cables – Part 1-2: Definitions
EN50290-2-2x	series	Communication cables – Part 2-2x: Common design rules and construction
EN 60068-2-6	1995	Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal) (IEC 60068-2-6:1995 + corr.)
EN 60068-2-11	1999	Environmental testing - Part 2: Tests - Test Ka: Salt mist (IEC 60068-2-11:1981)
EN 60068-2-14	1999	Environmental testing - Part 2: Tests - Test N: Change of temperature (IEC 60068-2-14:1984 + A1:1986)
EN 60068-2-27	1993	Basic environmental testing procedures - Part 2: Tests - Test Ea and guidance: Shock (IEC 60068-2-27:1987)
EN 60068-2-29	1993	Basic environmental testing procedures - Part 2: Tests - Test Eb and guidance: Bump (IEC 60068-2-29:1987 + corr.)
HD 323.2.3 S2	1987	Basic environmental testing procedures - Part 2: Tests - Test Ca: Damp heat, steady state (IEC 60068-2-3:1969 + A1:1984)
IEC 60068-2-42	1982	Environmental Testing - Part 2: Tests - Test Kc: Sulphur dioxide test for contacts and connections

3 Definitions

For the purpose of this European Standard, the definitions of EN 50290-1-2 apply.

¹⁾ At draft stage.