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Koaksiaalkaablid. Osa 2-4: Kaabeljaotusvõrkudes kasutatavate kaablite liigitus. Siseruumide rippkaablid sagedusel 5 MHz kuni 3 000 MHz talitlevatele süsteemidele

Coaxial cables - Part 2-4: Sectional specification for cables used in cabled distribution networks - Indoor drop cables for systems operating at 5 MHz - 3 000 MHz

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50117-2-4:2004 sisaldb Euroopa standardi EN 50117-2-4:2004 ingliskeelset teksti.	This Estonian standard EVS-EN 50117-2-4:2004 consists of the English text of the European standard EN 50117-2-4:2004.
Standard on kinnitatud Eesti Standardikeskuse 14.12.2004 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 14.12.2004 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kätesaadavaks tegemise kuupäev on 05.11.2004.	Date of Availability of the European standard text 05.11.2004.
Standard on kätesaadav Eesti standardiorganisatsionist.	The standard is available from Estonian standardisation organisation.

ICS 33.120.10

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English version

Coaxial cables**Part 2-4: Sectional specification for cables
used in cabled distribution networks –
Indoor drop cables for systems operating at 5 MHz - 3 000 MHz**

Câbles coaxiaux

Partie 2-4: Spécification intermédiaire
pour les câbles utilisés dans les réseaux
de distribution câblés –
Câbles de raccordement
à usage intérieur pour systèmes
fonctionnant à 5 MHz - 3 000 MHz

Koaxialkabel

Teil 2-4: Rahmenspezifikation für Kabel
für Kabelverteilanlagen -
Hausinstallationskabel im Bereich
von 5 MHz - 3 000 MHz

This European Standard was approved by CENELEC on 2004-09-01. 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.

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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

This European Standard was prepared by SC 46XA, Coaxial cables, of 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 50117-2-4 on 2004-09-01.

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 - latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-09-01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

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to indoor drop cables for use in cabled distribution systems operating at temperature between -40 °C and +70 °C¹⁾ and at frequencies between 5 MHz and 3 000 MHz and complying with the requirements of EN 50083.

The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, environmental and fire performance of the cables.

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.

EN 50083 series	Cable networks for television signals, sound signals and interactive services
EN 50117-1	Coaxial cables – Part 1: Generic specification
EN 50289-1-6	Communication cables – Specifications for test methods – Part 1-6: Electrical test methods – Electromagnetic performance
EN 50289-3-9	Communication cables – Specifications for test methods – Part 3-9: Mechanical test methods – Bending tests
EN 50290-1-2 ²⁾	Communication cables – Part 1-2: Definitions
EN 50290-2-22	Communication cables – Part 2-24: Common design rules and construction – PVC sheathing compounds
EN 50290-2-23	Communication cables – Part 2-23: Common design rules and construction – PE insulation
EN 50290-2-25	Communication cables – Part 2-25: Common design rules and construction – Polypropylene insulation compounds
EN 50290-2-27	Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds
EN 50290-4-1	Communication cables – Part 4-1: General considerations for the use of cables – Environmental conditions and safety aspects
EN 62153-1-1	Metallic telecommunication cable test methods – Part 1-1: Electrical – Measurement of the pulse/step return loss in the frequency domain using the Inverse Discrete Fourier Transformation (IDFT) (IEC 62153-1-1)
IEC 61196-1-115 ²⁾	Coaxial communication cables – Part 1-115: Electrical test methods – Test for pulse return loss (regularity of impedance)

3 Definitions

For the purposes of this European Standard, the definitions of EN 50290-1-2 and EN 50117-1 apply.

1) This value is valid for applications without ampacity only.

2) At draft stage.