

Kommunikatsioonikaablid. Osa 4-1: Kaablite kasutamise üldkaalutlused. Keskkonnaolud ja ohutusaspektid

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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

Standard on kinnitatud Eesti Standardikeskuse 15.10.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 27.09.2001.

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 standard is ratified with the order of Estonian Centre for Standardisation dated 15.10.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 27.09.2001.

The standard is available from Estonian standardisation organisation.

ICS 33.120.10

Võtmesõnad: communication, communication technology, electrical installations, environmental condition, environmental conditions, environmental effect, installations, mechanical properties, nuclear radiation, optical, safety, symmetrical, telecommunication, weathering tests

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Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
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English version

Communication cables
Part 2-30: Common design rules and construction -
Poly(tetrafluoroethylene-hexafluoropropylene) (FEP)
insulation and sheathing

Câbles de communication
Partie 2-30: Règles de conception
communes et construction -
Poly(tétrafluoroéthylène-
hexafluoropropylène) (FEP) pour
enveloppes isolantes et gainage

Kommunikationskabel
Teil 2-30: Gemeinsame Regeln für
Entwicklung und Konstruktion -
Poly(tetrafluoroethylen-
Hexafluoropropylen) (FEP) Isolierung-
und Mantelmischungen

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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 a joint working group of the Technical Committees CENELEC TC 46X, Communication cables, and CENELEC TC 86A, Optical fibres and optical fibre cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50290-2-30 on 2001-11-01.

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) 2002-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-08-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex A is normative.

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.

1 Scope

This Part 2-30 of EN 50290 gives specific requirements for poly(tetrafluoroethylene-hexafluoropropylene) (FEP) insulation and sheathing used in communication cables.

It is to be read in conjunction with Part 2-20 of EN 50290.

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 60811-1-1:1995	Insulating and sheathing materials of electric cables - Common test methods Part 1: General application -- Section 1: Measurement of thickness and overall dimensions - Tests for determining the mechanical properties (IEC 60811-1-1:1993)
EN 60811-1-2:1995	Insulating and sheathing materials of electric cables - Common test methods Part 1: General application -- Section 2: Thermal ageing methods (IEC 60811-1-2:1985 + corr. May 1986 + A1:1989)
EN 60811-1-3:1995	Insulating and sheathing materials of electric cables - Common test methods Part 1-3: General application - Methods for determining the density - Water absorption tests - Shrinkage test (IEC 60811-1-3:1993)
EN 60811-1-4:1995	Insulating and sheathing materials of electric cables - Common test methods Part 1-4: General application - Tests at low temperature (IEC 60811-1-4:1985 + corr. May 1986 + A1:1993)
EN 60811-3-1:1995	Insulating and sheathing materials of electric cables - Common test methods Part 3-1: Methods specific to PVC compounds - Pressure test at high temperature - Tests for resistance to cracking (IEC 60811-3-1:1985 + corr. May 1986)
IEC 60093:1980	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials
IEC 60250:1969	Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths
ISO 11357-3:1999	Plastics -- Differential scanning calorimetry (DSC) -- Part 3: Determination of temperature and enthalpy of melting and crystallization

3 Requirements

In case of specific applications, additional performances could be needed. Relevant test methods and requirements shall be included in the detail specifications of the cables.