

Koaksiaalkaablid. Osa 3-1: Telekommunikatsioonis kasutatavate kaablite liigitus.

Digitaalkommunikatsioonisüsteemides kasutatavad peenkaablid

Coaxial cables - Part 3-1: Sectional specifications for cables used in Telecom applications - Miniaturized cables used in digital communication systems

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50117-3-1:2003 sisaldab Euroopa standardi EN 50117-3-1:2002 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 05.02.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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English version

Coaxial cables
Part 3-1: Sectional specifications for cables
used in Telecom applications -
Miniaturized cables used in digital communication systems

Câbles coaxiaux
Partie 3-1: Spécification intermédiaire
pour les câbles utilisés dans les
applications de télécommunication -
Câbles miniaturisés utilisés dans les
réseaux de communication numériques

Koaxialkabel
Teil 3-1: Rahmenspezifikation
für Kabel für Anwendungen
in der Telekommunikation -
Miniaturkabel für digitale
Kommunikationssysteme

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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

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 SC 46XA, Coaxial cables, of Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50117-3-1 on 2002-03-01.

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) 2003-03-01
- latest date by which the national standards
conflicting with the EN have to be withdrawn (dow) 2005-03-01

Annexes designated "informative" are given for information only.
In this standard, annex A is informative.

Contents

1	Scope	4
2	Normative references	4
3	Definitions	5
4	Requirements for cable construction	5
4.1	General	5
4.2	Inner conductor	5
4.3	Dielectric	5
4.4	Outer conductor or screen	5
4.5	Filling compounds	6
4.6	Moisture barriers	6
4.7	Wrapping layers	6
4.8	Sheath	6
4.9	Metallic protection	6
4.10	Cable integral suspension strand (messenger wire)	6
4.11	Oversheath	6
4.12	Fauna proofing	6
4.13	Chemical and/or environmental proofing	6
4.14	Cable identification	6
4.14.1	Sheath marking	7
4.14.2	Labelling	7
5	Test methods for completed cables	7
5.1	Electrical tests	8
5.1.1	Low-frequency and d.c. electrical measurements	8
5.1.2	High-frequency electrical and transmission measurements	8
5.2	Mechanical tests	9
5.3	Environmental tests	9
5.4	Fire performance tests	9
Annex A	(informative) Crosstalk	10
Table 1	– Low frequency and d.c. electrical measurements	8
Table 2	– High frequency electrical and transmission measurements	8
Table 3	– Mechanical tests	9
Table 4	– Environmental tests	9
Table 5	– Fire performance test methods	9

1 Scope

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This standard applies to single and/or multiple miniaturised coaxial cables used in digital communication systems on the Telecom applications.

The cables covered by this standard are used for the internal wiring of and interconnection between switching-, transmission-, multiplexing- and cross-connect equipment and for the connections to the digital distribution frame.

These coaxial cables are designed for the transmission of E1 (2 Mbit/s), E2 (8 Mbit/s), E3 (34 Mbit/s), E4 (140 Mbit/s), STM (155 Mbit/s), DS1 (1,5 Mbit/s), DS2 (6 Mbit/s) and DS3 (34 Mbit/s) signals.

Cables are connected to the equipment via a coaxial connector or other suitable ways.

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

The cables covered by this standard are intended to be used with voltages up to 50 V a.c. and/or 120 V d.c.

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 50117-1	Coaxial cables used in cabled distribution networks Part 1: Generic specification
EN 50290-1-2 ¹⁾	Communication cables – Part 1-2: Definitions
EN 50290-2-20	Communication cables – Part 2-20: Common design rules and construction - General
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

¹⁾ At draft stage.