



**Suure bitikiirusega digitaal-
telekommunikatsioonivõrkudes kasutatavad
mitmepaarilised kaablid. Osa 1: Välispaigaldiste
kaablid**

Multi-pair cables used in high bit rate digital access
telecommunication networks - Part 1: Outdoor cables

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50407-1:2004 sisaldab Euroopa standardi EN 50407-1:2004 ingliskeelset teksti.

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**Multi-pair cables used in high bit rate
digital access telecommunication networks
Part 1: Outdoor cables**

Câbles multi-paires de l'utilisateur final
utilisés dans les réseaux d'accès
numériques de télécommunication
à haut-débits
Partie 1: Câbles extérieurs

Vielpaarige Kabel für digitale
Telekommunikationsnetzwerke
mit hoher Bitrate
Teil 1: Außenkabel

This European Standard was approved by CENELEC on 2004-02-01. 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.

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CENELEC

European Committee for Electrotechnical Standardization
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Foreword

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Contents

1	Scope	5
2	Normative references	5
3	Terminology and abbreviations	5
3.1	Terminology	5
3.2	Abbreviations	5
4	General information	6
4.1	General cable description	6
4.2	Environment and product safety requirement	6
4.3	Testing	6
5	Requirements for conductor	6
5.1	Construction and dimensions	6
5.2	Mechanical requirements	6
5.3	Electrical requirements	7
5.3.1	Conductor resistance	7
5.3.2	Conductor resistance unbalance	7
6	Requirements for insulation	7
6.1	Construction material and dimensions	7
6.1.1	Construction	7
6.1.2	Colour code	7
6.2	Mechanical requirements	7
6.3	Electrical requirements	7
6.3.1	Insulation resistance	7
6.3.2	Dielectric strength	7
7	Requirements for cable element	8
7.1	Construction and dimensions	8
7.1.1	Screening of the cable element	8
7.1.2	Spare cable elements	8
8	Requirements for cable core	8
8.1	Design	8
8.1.1	General	8
8.1.2	Screen	8
8.1.3	Interstitial fillers	9
9	Requirements for filling compounds	9
10	Requirements for the screening of the cable core	9
11	Requirement for the armour	9
12	Requirements for the sheath	9
12.1	Colour of sheath	9
12.2	Mechanical requirements of the sheath	9
13	Cable identification	10

14	Requirements for finished cable	10
14.1	Mechanical requirements.....	10
14.1.1	Bending 10	
14.1.2	Impact 10	
14.1.3	Tensile (under consideration)	10
14.1.4	Crush resistance	10
14.2	Environmental requirements	11
14.2.1	Temperature range	11
14.2.2	Cold bend	11
14.2.3	Fauna and mould proofing	11
14.2.4	Moisture barriers	11
15	Electrical requirements.....	11
15.1	Dielectric strength.....	11
15.2	Mutual capacitance.....	11
15.3	Capacitance unbalance.....	12
15.4	Velocity of propagation.....	12
15.5	Attenuation	12
15.6	Longitudinal Conversion Loss (LCL)	12
15.7	Near End Crosstalk (NEXT).....	12
15.8	Equal Level Far-End Crosstalk loss (ELFEXT)	12
15.9	Power Sum (PS) of crosstalk losses	12
15.10	Characteristic impedance	13
15.11	Coupling attenuation	13
15.12	Transfer impedance	13
16	Product qualification requirements	13

1 Scope

This European Standard defines outdoor multi-pair cables for use in high bit rate digital telecommunication networks with their relative definitions and requirements.

It covers water tight cables, with an overall screen, for applications up to 10 MHz, to be used in outdoor networks (for example in the subscriber access loop).

The electrical, mechanical, transmission performance characteristics of the screened cables, related to their reference test methods, are detailed.

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 50289	series	Communication cables - Specifications for test methods (<i>Basic reference standards</i>)
EN 50290	series	Communication cables (<i>Basic reference standards</i>)
EN 60811-1-1		Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-1: General application - Measurement of thickness and overall dimensions - Tests for determining the mechanical properties (IEC 60811-1-1)
EN 60811-1-2	1995	Insulating and sheathing materials of electric cables - Common test methods – Part 1-2: General application - Thermal ageing methods (IEC 60811-1-2:1985 + corrigendum May 1986 + A1:1989)
HD 402		Standard colours for insulation for low-frequency cables and wires (IEC 60304)
IEC 60028	1925	International standard of resistance for copper

3 Terminology and abbreviations

3.1 Terminology

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

3.2 Abbreviations

ADSL	Asymmetric Digital Subscriber Lines
ATM	Asynchronous Transfer Mode
DSL	Digital Subscriber Line
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
FSAN	Full Service Access Network
HDSL	High-bit-rate Digital Subscriber Lines
ISDN	Integrated Digital Services Network
ISDN-BRA	ISDN-Basic Rate Access
ISDN-PRA	ISDN-Primary Rate Access