



**Suure bitikiirusega telekommunikatsioonivõrkudes
kasutatavad mitmepaarilised lõppkasutajakaablid.**

Osa 1: Õhukaablid

End user multi-pair cables used in high bit rate
telecommunication networks Part 1: Aerial cables

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50406-1:2004 sisaldab Euroopa standardi EN 50406-1:2004 ingliskeelset teksti.

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English version

**End user multi-pair cables used in
high bit rate telecommunication networks
Part 1: Aerial cables**

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

Vielpaarige Kabel für Endanwender
für Telekommunikationsnetzwerke
mit hoher Bitrate
Teil 1: Luftkabel

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
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

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 - latest date by which the national standards conflicting
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1 Scope

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

It covers radially water blocked cables, with an overall screen, with performances up to 60 MHz, to be used in outdoor networks intended to connect the broadband outside plant to the individual customer premises with a maximum recommended length of connection of 1 km.

The electrical, environmental, mechanical and transmission performance characteristics of the 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	1993	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 S2	1984	Standard colours for insulation for low-frequency cables and wires (IEC 60304:1982)
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