Communication cables -- Part 4-2: General considerations for the use of cables - Guide to use

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EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50290-4-2:2008 sisaldab Euroopa standardi EN 50290-4-2:2008 ingliskeelset teksti.	This Estonian standard EVS-EN 50290-4-2:2008 consists of the English text of the European standard EN 50290-4-2:2008.
Standard on kinnitatud Eesti Standardikeskuse 19.08.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 19.08.2008 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 kättesaadavaks tegemise kuupäev on 09.07.2008.	Date of Availability of the European standard text 09.07.2008.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 33.120.10

Võtmesõnad:

EUROPEAN STANDARD
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English version

Communication cables - Part 4-2: General considerations for the use of cables - Guide to use

Câbles de communication -
Partie 4-2: Considérations générales pour l'utilisation des câbles -
Guide d'utilisation

Kommunikationskabel -
Teil 4-2: Allgemeine Betrachtungen für die Anwendung der Kabel -
Leitfaden für die Verwendung

This European Standard was approved by CENELEC on 2008-02-01. 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.

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 the Technical Committee CENELEC TC 46X, Communication cables, with the help of the CENELEC Co-operating Partner EUROPACABLE (ECBL).

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50290-4-2 on 2008-02-01.

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)	2009-02-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-02-01

Contents

1 Scope

The scope of this European Standard is to help installers and cabling designers to understand the range of communication metallic cables available. To help this choice the fundamental and practical rules on how to use these cables are established.

The related cables are specified in the documents issued by CLC/TC 46X and its sub-committees.

These cables are:

- telecom cables used in access network,
- data communication twisted pairs cables,
- coaxial cables used in CATV.

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 series	Coaxial cables used in cabled distribution networks
EN 50173 series	Information technology - Generic cabling systems
EN 50174 series	Information technology - Cabling installation
EN 50200	Method of test for resistance to fire of unprotected small cables for use in emergency circuits
EN 50288 series	Multi-element metallic cables used in analogue and digital communication and control
EN 50289-3-9	Communication cables - Specifications for test methods - Part 3-9: Mechanical test methods - Bending tests
EN 50289-4-16 [1)]	Communication cables - Specifications for test methods - Part 4-16: Environmental test methods - Circuit integrity under fire conditions
EN 50290 series	Communication cables
EN 50406 series	End user multi-pair cables used in high bit rate telecommunication networks
EN 50407-1	Multi-pair cables used in high bit rate digital access telecommunication networks - Part 1: Outdoor cables
EN 50441 series	Cables for indoor residential telecommunication installations

[1)] At draft stage.