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Tele- och datakablar – Del 1-1: Allmänt

*Communication cables –
Part 1-1: General*

Som svensk standard gäller europastandarden EN 50290-1-1:2001. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50290-1-1:2001.

ICS 33.120.10

Denna standard är fastställd av Svenska Elektriska Kommissionen, SEK, som också kan lämna upplysningar om **sakinnehållet** i standarden.
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EUROPEAN STANDARD

EN 50290-1-1

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English version

Communication cables Part 1-1: General

Câbles de communication
Partie 1-1: Généralités

Kommunikationskabel
Teil 1-1: Allgemeines

This European Standard was approved by CENELEC on 2001-05-01. 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50290-1-1 on 2001-05-01.

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) 2002-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-04-01

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.

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1 Scope

Part 1-1 and Part 1-2 of EN 50290 give directly or by reference all common requirements for communication cables.

They are completed by generic, sectional, family and detail specifications, as appropriate, to describe in a detailed manner each type of cables with its specific characteristics.

EN 50290 consists of the following parts:

- Part 1-1 General
- Part 1-2 Definitions
- Part 2-1 Common design rules and construction - General
- Part 2-2X series Common design rules and construction - Materials
- Part 3 Quality assessment
- Part 4-1 General considerations for the use of cables - Environmental conditions and safety aspects
- Part 4-2 General considerations for the use of cables - Guide for use

The test methods are described in EN 50289, Communication cables - Specifications for test methods, which consists of the following parts:

- Part 1-X series Electrical test methods
- Part 2-X series Transmission and optical test methods
- Part 3-X series Mechanical test methods
- Part 4-X series Environmental test methods.

This Part 1-1 harmonizes the standardisation of symmetrical, coaxial and optical cables used for the infrastructure of communication, multimedia and control networks. Most of the cables covered by this Part 1-1 are primarily intended to be used in IT networks. However they can also be used for other applications with the exception of those which presume a direct connection to the mains electricity supply.

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 50289-1-X	series	Communication cables - Specifications for test methods - Part 1-X: Electrical test methods
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