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**Tele- och datakablar –
Provning –
Del 1-6: Elektrisk provning –
Egenskaper i elektromagnetiska fält**

*Communication cables –
Specifications for test methods –
Part 1-6: Electrical test methods – Electromagnetic performance*

Som svensk standard gäller europastandarden EN 50289-1-6:2002. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50289-1-6:2002.

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

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English version

**Communication cables -
Specifications for test methods
Part 1-6: Electrical test methods -
Electromagnetic performance**

Câbles de communication -
Spécifications des méthodes d'essai
Partie 1-6: Méthodes d'essais électriques -
Performance électromagnétique

Grundnorm für Kommunikationskabel -
Spezifikationen für Prüfverfahren
Teil 1-6: Elektrische Prüfverfahren -
Elektromagnetisches Verhalten

This European Standard was approved by CENELEC on 2000-11-01. 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 members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, 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 50289-1-6 on 2000-11-01.

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) 2002-10-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2003-11-01

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1 Scope

This EN 50289-1-6 details four different test methods to determine the electromagnetic performance characteristics of cables used in analogue and digital communication systems. The four methods are detailed in clauses 6 to 9.

This document discusses test methods aiming to facilitate a selection of the applicable electromagnetic test method.

It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

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 50289-1-1	2001	Communication cables - Specifications for tests methods - Part 1-1: Electrical test methods - General requirements
EN 50289-1-9	2001	Communication cables - Specifications for tests methods - Part 1-9: Electrical test methods - Unbalance attenuation (longitudinal conversion loss, longitudinal conversion transfer loss)
EN 50290-1-2	¹⁾	Communication cables - Part 1-2: Definitions
IEC 61196-1	1995	Radio-frequency cables Part 1: Generic specification - General, definitions, requirements and test methods
CISPR 16-1 + A1	1993 1997	Specification for radio disturbance and immunity measuring apparatus and methods Part 1: Radio disturbance and immunity measuring apparatus
ITU-T Recommendation O.9	1988	Series O - Specifications of measuring equipment - General - O.9: Measuring arrangements to assess the degree of unbalance about earth
ITU-T Recommendation G.117	1996	Series G - Transmission systems and media, digital systems and networks - International telephone connections and circuits - General recommendations on the transmission

¹⁾ At draft stage.