



National Standards Authority of Ireland

STANDARD

**I.S. EN 50289-1-14:2004**

ICS 33.120.10

**COMMUNICATION CABLES -  
SPECIFICATIONS FOR TEST METHODS, PART  
1-14: ELECTRICAL TEST METHODS -  
COUPLING ATTENUATION OR SCREENING  
ATTENUATION OF CONNECTING HARDWARE**

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EUROPEAN STANDARD

**EN 50289-1-14**

NORME EUROPÉENNE

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ICS 33.120.10

English version

**Communication cables –  
Specifications for test methods  
Part 1-14: Electrical test methods –  
Coupling attenuation or screening attenuation  
of connecting hardware**

Câbles de communication –  
Spécifications des méthodes d'essai  
Partie 1-14: Méthodes d'essais électriques –  
Affaiblissement de couplage ou  
affaiblissement de blindage du  
matériel de connexion

Kommunikationskabel –  
Spezifikationen für Prüfverfahren  
Teil 1-14: Elektrische Prüfverfahren -  
Kopplungsdämpfung oder  
Schirmdämpfung für Verbindungstechnik

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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

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

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## Foreword

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

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50289-1-14 on 2004-02-01.

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) 2005-02-01
  - latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2007-02-01
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## **1 Scope**

This Part 1-14 of EN 50289 details the method of test to determine the coupling attenuation or screening attenuation for connecting hardware used in analogue and digital communication systems. The test method details means to test one part of a connecting hardware (e. g. wall outlet or plug alone) as well as testing a mated pair of connecting hardware. It is to be read in conjunction with EN 50289-1-6.

## **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 50289-1-6      Communication cables – Specification for test methods – Part 1-6: Electrical test methods – Electromagnetic performance

EN 50290-1-2 <sup>1)</sup>      Communication cables – Part 1-2: Definitions

## **3 Definitions**

For the purposes of this European Standard, the definitions of EN 50290-1-2 and EN 50289-1-6 apply.

In this document connecting hardware is defined as a complete connecting device including compensating or matching networks (if any), connectors and cable terminations.

## **4 Test method**

### **4.1 Equipment**

#### **4.1.1 General**

See EN 50289-1-6, subclause 9.2.1.1 and Figure 1 below.

The connecting hardware under test shall be terminated using the termination method and a cable type for which it is constructed. If only one part of the connecting hardware is under test, a test head shall be used to mate the part under test.

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<sup>1)</sup> Under consideration.

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