

<b>STN</b>	<p style="text-align: center;"><b>Komunikačné káble Špecifikácie skúšobných metód Časť 1-8: Elektrické skúšobné metódy Tlmenie</b></p>	<p style="text-align: center;"><b>STN EN 50289-1-8</b></p>
		34 7011

Communication cables - Specifications for test methods - Part 1-8: Electrical test methods - Attenuation

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola označená vo Vestníku ÚNMS SR č. 06/17

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Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnrožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 50289-1-8**

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English Version

**Communication cables - Specifications for test methods - Part 1-  
8: Electrical test methods - Attenuation**

Câbles de communication - Spécifications des méthodes  
d'essai Partie 1-8: Méthodes d'essais électriques -  
Affaiblissement

Kommunikationskabel - Spezifikationen für Prüfverfahren  
Teil 1-8: Elektrische Prüfverfahren - Dämpfung

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

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## European foreword

This document [EN 50289-1-8:2017] has been prepared by CLC/TC 46X "Communication cables".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-09-16
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2019-12-16

This document supersedes EN 50289-1-8:2001.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

EN 50289-1, *Communication cables — Specifications for test methods*, is currently composed with the following parts:

- Part 1-1: *Electrical test methods — General requirements*;
- Part 1-2: *Electrical test methods — DC resistance*;
- Part 1-3: *Electrical test methods — Dielectric strength*;
- Part 1-4: *Electrical test methods — Insulation resistance*;
- Part 1-5: *Electrical test methods — Capacitance*;
- Part 1-6: *Electrical test methods — Electromagnetic performance*;
- Part 1-7: *Electrical test methods — Velocity of propagation*;
- Part 1-8: *Electrical test methods — Attenuation*;
- Part 1-9: *Electrical test methods — Unbalance attenuation (longitudinal conversion loss, longitudinal conversion transfer loss)*;
- Part 1-10: *Electrical test methods — Crosstalk*;
- Part 1-11: *Electrical test methods — Characteristic impedance, input impedance, return loss*;
- Part 1-12: *Electrical test methods — Inductance*;
- Part 1-13: *Electrical test methods — Coupling attenuation or screening attenuation of patch cords / coaxial cable assemblies / pre-connectorised cables*;
- Part 1-14: *Electrical test methods — Coupling attenuation or screening attenuation of connecting hardware*;
- Part 1-15: *Electromagnetic performance — Coupling attenuation of links and channels (Laboratory conditions)*;
- Part 1-16: *Electromagnetic performance — Coupling attenuation of cable assemblies (Field conditions)*;
- Part 1-17: *Electrical test methods — Exogenous Crosstalk ExNEXT and ExFEXT*.

## 1 Scope

This European Standard details the test methods to determine attenuation of finished cables used in analogue and digital communication systems.

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

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50289-1-1, *Communication cables - Specifications for test methods - Part 1-1: Electrical test methods - General requirements*

EN 50289-1-11, *Communication cables - Specifications for test methods - Part 1-11: Electrical test methods - Characteristic impedance, input impedance, return loss*

EN 50290-1-2, *Communication cables - Part 1-2: Definitions*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN