

TNI	Informačná technika Inštalácie káblových rozvodov Časť 99-2: Ochrana pred elektrickým rušením a jeho potlačenie	TNI CLC/TR 50174-99-2 36 9071
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Information technology - Cabling installation - Part 99-2: Mitigation and protection from electrical interference

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**Information technology - Cabling installation - Part 99-2:
Mitigation and protection from electrical interference**Technologies de l'information - Installation de câblages -
Partie 99-2:Informationstechnik - Installation von
Kommunikationsverkabelung - Teil 99-2: Abschwächung
von und Schutz vor elektrischer Störung

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European Committee for Electrotechnical Standardization
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European foreword

This document (CLC/TR 50174-99-2:2020) was prepared by the Technical Committee CLC/TC 215, "Electrotechnical aspects of telecommunication equipment".

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.

A previous version of this document was published as informative Annex A in EN 50174-2:2009. During the revision of EN 50174-2:2009, TC 215 decided to remove the Annex, revise and then publish it as separate Technical Report.

Introduction

The EN 50174 series standards specify the specification, planning and practices applicable to installation of telecommunications cabling.

This document supports the requirements and recommendations of the EN 50174 series in relation to the mitigation and protection of telecommunications cabling from electromagnetic interference by describing:

- a) coupling mechanisms and possible countermeasures;
- b) assessment of the electromagnetic environment;
- c) filtering, isolation and surge protections measures.

1 Scope

This document addresses the mitigation and protection of telecommunications cabling from electromagnetic interference by describing:

- a) coupling mechanisms and possible countermeasures;
- b) assessment of the electromagnetic environment;
- c) filtering, isolation and surge protections measures.

Safety (electrical safety and protection, optical power, fire, etc.) and electromagnetic compatibility (EMC) requirements are outside the scope of this document and are covered by standards and regulations. However, information given in this document can be of assistance in meeting these standards and regulations.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 50173 (series), *Information technology – Generic cabling systems*

EN 50174 (series), *Information technology - Cabling installation*

EN 50174-2:2018, *Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings*

EN 50174-3, *Information technology - Cabling installation - Part 3: Installation planning and practices outside buildings*

EN 50310:2016, *Telecommunications bonding networks for buildings and other structures*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN