

საქართველოს სტანდარტი

საინფორმაციო ტექნოლოგიები - კაბელების ინსტალაცია - ნაწილი 1:
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საქართველოს სტანდარტებისა და მეტროლოგიის
ეროვნული სააგენტო
თბილისი

საინფორმაციო მონაცემები

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English Version

Information technology - Cabling installation - Part 1: Installation specification and quality assurance

Technologies de l'information - Installation de câblages -
Partie 1 : Spécification de l'installation et assurance de la
qualité

Informationstechnik - Installation von
Kommunikationsverkabelung - Teil 1:
Installationspezifikation und Qualitätssicherung

This European Standard was approved by CENELEC on 2018-05-21. 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 CEN-CENELEC Management Centre or to any CENELEC member.

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European foreword

This document (EN 50174-1:2018) has been prepared by Technical Committee CLC/TC 215, "Electrotechnical aspects of telecommunication equipment".

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) 2019-05-21
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2021-05-21

This document supersedes EN 50174-1:2009, EN 50174-1:2009/A1:2011 and EN 50174-1:2009/A2:2014.

EN 50174 comprises three parts. All three parts support the specification, implementation and operation of information technology cabling. There are specific requirements for cabling systems that are in accordance with the design requirements of the EN 50173 series. However, the three parts also apply to cabling systems of any design including those in accordance with standards such as EN 50700.

This part, EN 50174-1, is concerned with specification, quality assurance, documentation and administration of information technology cabling to be installed, together with its subsequent operation and maintenance. It sets out the responsibilities of information technology cabling installers and premises owners or appointed representatives separately, and is intended to be referenced in relevant contracts.

It does not cover those aspects of installation associated with the transmission of signals in free space between transmitters, receivers or their associated antenna systems (e.g. wireless, radio, microwave or satellite).

This edition of EN 50174-1:

- a) revises the requirements for remote powering to support power levels offered by IEEE 802.3bt (in preparation);
- b) updates various requirements (e.g. in 4.2.5.1 on racks, frames and cabinets and in Table 4 on the level of installation complexity);
- c) revises Annex B on optical fibre connecting hardware, resulting an normative requirements (Annex B) and informative recommendations (Annex C);
- d) introduces a new Annex G with information regarding EuroClasses for the specification of the "reaction to fire" performance of cables.