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**HOME AND BUILDING ELECTRONIC
SYSTEMS (HBES) PART 9-1: INSTALLATION
REQUIREMENTS - GENERIC CABLING FOR
HBES CLASS 1 TWISTED PAIR**

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English version

**Home and Building Electronic Systems (HBES)
Part 9-1: Installation requirements -
Generic cabling for HBES Class 1 Twisted Pair**

Systèmes électroniques pour les foyers
domestiques et les bâtiments (HBES)
Partie 9-1: Spécifications d'installation -
Câblage générique pour paire torsadée
Classe 1

Elektrische Systemtechnik für Heim
und Gebäude (ESHG)
Teil 9-1: Installationsanforderungen -
Verkabelung von Zweidrahtleitungen
ESHG Klasse 1

This European Standard was approved by CENELEC on 2003-12-01. 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.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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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

Foreword

This European Standard was prepared by Technical Committee CENELEC TC 205, Home and Building Electronic Systems (HBES).

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50090-9-1 on 2003-12-01.

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) 2004-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-12-01

EN 50090-9-1 is part of the EN 50090 series of European Standards, which will comprise the following parts:

- Part 1: Standardization structure
- Part 2: System overview
- Part 3: Aspects of application
- Part 4: Media independent layers
- Part 5: Media and media dependent layers
- Part 6: Interfaces
- Part 7: System management
- Part 8: Conformity assessment of products
- Part 9: Installation requirements
- TRs CENELEC TC 205 technical reports

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