ICS 33.120.20 SLOVENSKÁ TECHNICKÁ NORMA November 2014

STN	**Mnohopárové káble používané v digitálnych prístupových telekomunikačných sieťach s vysokou bitovou rýchlosťou. Časť 2: Vnútorné mnohopárové/krížové káble na inštalovanie v bytových domoch pre univerzálne služby, xDSL a aplikácie do 100 Mbitov na IP vrátane.**	**STN EN 50407-3** 34 7034

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/14

Obsahuje: EN 50407-3:2014

EUROPEAN STANDARD **EN 50407-3**

NORME EUROPÉENNE

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ICS 33.120.20

English Version

Multi-pair cables used in high bit rate digital access telecommunications networks - Part 3: Indoor multi-pair/quad riser cables up to 100 MHz for maximum length of connection 100 m supporting universal services, xDSL and applications up to 100 Mbit/s over IP

Câbles multi-paires de l'utilisateur final utilisés dans les réseaux d'accès numériques de télécommunication à haut-débits - Partie 3 : Câbles intérieurs multi paires/quartes pour colonne de communication, performants jusqu'à 100 MHz, de longueur maximale de connexion de 100 m, supportant le service universel, le xDSL et les applications jusqu'à 100 MBits sur IP

Vielpaarige Kabel für digitale Telekommunikationsnetzwerke mit hoher Bitrate - Teil 3: Vielpaarige-/Vierer-Steigekabel im Innenbereich bis 100 MHz über eine maximale Verbindungslänge von 100 m für universelle Dienste, xDSL und Anwendungen bis zu 100 Mbit/s über Internetprotokoll (IP)

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

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Contents

Foreword

This document (EN 50407-3:2014) has been prepared by CLC/SC 46XC “Multicore, multipair and quad data 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) 2015-03-10
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2017-03-10

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

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

1 Scope

This European Standard defines indoor multi-pair/quad cables for installation in Multi Dwelling units shaft supporting universal services, xDSL and applications up to 100 MBits over IP, their relative definitions and requirements.

NOTE Higher bit rate applications need cables specified in a relevant part of EN 50406 or EN 50288 series.

It covers cables, with an overall screen, with performances up to 100 MHz, to be used in indoor networks intended to connect the broadband outside plant to the individual customer dwelling for applications 100 Mbit/s over IP maximum length of connection 100 m.

The electrical, environmental, mechanical and transmission performance characteristics of the cables, related to their reference test methods, are detailed.

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 10002-1, *Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature*

EN 50289 (all parts), *Communication cables - Specifications for test methods (Basic reference standards)*

EN 50290 (all parts), *Communication cables (Basic reference standards)*

EN 60811-201, *Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-1: General application - Measurement of thickness and overall dimensions - Tests for determining the mechanical properties (IEC 60811-201)*

HD 402, *Standard colours for insulation for low-frequency cables and wires (IEC 60304)*

IEC 60028, *International standard of resistance for copper*