

STN	Elektrické káble Príslušenstvo Charakterizácia materiálu Časť 2: Fingerprinting (metóda odtlačku materiálu) pre teplom zmraštiteľné komponenty pre aplikácie nízkeho a stredného napätia do 20,8/36 (42) kV	STN EN 50655-2 34 7469
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Electric cables - Accessories - Material characterization - Part 2: Fingerprinting for heat shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV

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. 05/18

Obsahuje: EN 50655-2:2017

Oznámením tejto normy sa od 18.09.2020 ruší
STN 34 7469-3 z marca 2009

STN 34 7469-2 z júna 2008

126435

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50655-2

November 2017

ICS 29.035.20

Supersedes HD 631.2 S1:2007, HD 631.3 S1:2008

English Version

**Electric cables - Accessories - Material characterization - Part 2:
Fingerprinting for heat shrinkable components for low and
medium voltage applications up to 20,8/36 (42) kV**

Câbles électriques - Accessoires - Caractérisation des
matériaux - Partie 2: Essais d'identification des composants
thermorétractables pour les applications basse tension et
moyenne tension à 20,8/36 (42) kV

Kabel und isolierte Leitungen - Garnituren -
Materialcharakterisierung - Teil 2: Fingerprintprüfungen für
wärmeschrumpfende Komponenten für Niederspannungs-
und Mittelspannungsanwendungen bis 20,8/36 (42) kV

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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 50655-2:2017) has been prepared by CLC/TC 20 “*Electric cables*”.

The following dates are fixed:

- latest date by which this document has (dop) 2018-09-18
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2020-09-18
standards conflicting with this document
have to be withdrawn

This document supersedes HD 631.2 S1:2007 and HD 631.3 S1:2008.

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EN 50655 series will consist of the following:

- EN 50655-1, *Electric cables - Accessories - Material characterization - Part 1: Fingerprinting for resinous compounds*;
- EN 50655-2, *Electric cables - Accessories - Material characterization - Part 2: Fingerprinting for heat shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV*;
- EN 50655-3, *Electric cables - Accessories - Material characterization - Part 3: Fingerprinting for cold shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV*.

NOTE It has been assumed in the preparation of this document that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

WARNING This European Standard calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

EN 50655-2:2017

1 Scope

This European Standard specifies the methods and requirements for fingerprinting (as defined in 3.13) of heat shrinkable components intended to be used for electrical insulation and/or electrical insulation and mechanical protection in cable accessories for low and medium voltage, as defined in EN 50393, HD 629.1 and HD 629.2.

Fingerprinting of materials does not have a mandatory link to type testing of accessories. It is regarded as a stand-alone test, but it may be carried out in combination with accessory type tests.

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 50393, *Test methods and requirements for accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV*

EN 60684-2, *Flexible insulating sleeving - Part 2: Methods of test (IEC 60684-2)*

EN ISO 1183 (series), *Plastics - Methods for determining the density of non-cellular plastics (ISO 1183 series)*

EN ISO 11357-3, *Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3)*

EN ISO 11358-1, *Plastics - Thermogravimetry (TG) of polymers - Part 1: General principles (ISO 11358-1)*

HD 629.1, *Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV - Part 1: Cables with extruded insulation*

HD 629.2, *Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV - Part 2: Cables with impregnated paper insulation*

IEC 60050-461, *International Electrotechnical Vocabulary - Part 461: Electric cables*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN