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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

Prüfanforderungen für Kabelgarnituren für Starkstromkabel mit einer Nennspannung von
3,6/6(7,2) kV bis 20,8/36(42) kV - Teil 1: Kabel mit extrudierter Kunststoffisolierung

Prescriptions relatives aux essais sur les accessoires des câbles d'énergie pour des
tensions assignées de 3,6/6(7,2) kV a 20,8/36(42) kV - Partie 1: Câbles a isolation
extrudée

Ta slovenski standard je istoveten z: HD 629.1 S2:2006/prA1:2007

ICS:

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of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV -
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Prüfanforderungen für Kabelgarnituren für
Starkstromkabel mit einer Nennspannung
von 3,6/6(7,2) kV bis 20,8/36(42) kV -
Teil 1: Kabel mit extrudierter
Kunststoffisolierung

This draft amendment prA1, if approved, will modify the Harmonization Document HD 629.1 S2:2006; it is submitted to CENELEC members for CENELEC enquiry.
Deadline for CENELEC: 2007-07-27.

It has been drawn up by CENELEC TC 20.

If this draft becomes an amendment, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this amendment on a national level.

This draft amendment, was established by CENELEC in three official versions (English, French, German).

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CENELEC

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

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Foreword

This draft amendment to the Harmonization Document HD 629.1 S2:2006 was prepared by the Technical Committee CENELEC TC 20, Electric cables. It is submitted to the CENELEC enquiry.

In line with decision of the Technical Board (D81/139 extended by D104/118 & D114/076) this draft amendment exists only in English.

iTeh STANDARD PREVIEW
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SIST HD 629.1 S2:2006/A1:2009

<https://standards.iteh.ai/catalog/standards/sist/38be25b1-9749-4781-8147-5cd78b24aeb7/sist-hd-629-1-s2-2006-a1-2009>

Text of prA1 to HD 629.1 S2:2006

5 Test assemblies

5.1.1 **Replace** the second sentence by:

Constructional details of the cables shall be identified (refer to Annex A).

6 Range of compliance

6.1 **Replace** the text of 6.1 by:

6.1 For terminations, joints and stop ends, compliance for one type of accessory for the range of cable conductor cross-sections from 95 mm² to 300 mm² shall be obtained by successfully completing all the appropriate tests of Tables 3 to 6 on one of the cross-sections specified in 5.2.

For separable connectors, compliance for one type of accessory for the range of cable conductor cross-sections given in Table 1A shall be obtained by successfully completing all the appropriate tests of Table 7 or 8 on the cross-section specified in Table 1.

Extension of range of compliance for the same type of accessory to larger or smaller cable conductor cross-sections shall be obtained by successfully completing the additional test sequence in Table 10, on the appropriate larger or smaller cross-section.

For extension of compliance of separable connectors to larger cable conductor cross-sections, the test current shall be limited to the rating of the mating bushing.

Compliance shall not extend to the use of an accessory on cables with nominal insulation thickness lower than that of the test cable.

Table 1A – Range of compliance for separable connectors

Rating of separable connector	Cable conductor cross-section Range of compliance mm ²	
	min.	max.
250 A	25	95
400 A	95	240
630 A	95	300
800 A	150	400
1 250 A	240	630

6.10 **Replace** the text of 6.10 by:

6.10 Compliance of an accessory tested for a specified U_0 shall extend to operation of the accessory at a lower U_0 provided that the radial electrical stress at the insulation screen of the cable of lower U_0 is not greater than that of the cable of largest conductor cross-section within the range of compliance.

In addition for separable connectors the screen fault current initiation test shall be done at the lowest U_0 for which compliance is required.