SLOVENSKI STANDARD
SIST EN 1366-11:2018/oprA1:2021

01-april-2021

Preskusi požarne odpornosti servisnih inštalacij - 11. del: Požarni zaščitni sistem za kabelske sisteme in pripadajoče dele

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

Feuerwiderstandsprüfungen für Installationen - Teil 11: Brandschutzsysteme für Kabelanlagen und zugehörige Komponenten

Essais de résistance au feu des installations de service - Partie 11 : Systèmes de protection incendie pour les systèmes de câbles et composants associés

Ta slovenski standard je istoveten z: **EN 1366-11:2018/prA1**

ICS:

13.220.50	Požarna odpornost gradbenih materialov in elementov	Fire-resistance of building materials and elements
29.060.20	Kabli	Cables
91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

SIST EN 1366-11:2018/oprA1:2021 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT EN 1366-11:2018

prA1

February 2021

ICS 13.220.50; 29.060.20; 91.140.50

English Version

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

Essais de résistance au feu des installations de service - Partie 11 : Systèmes de protection incendie pour les systèmes de câbles et composants associés

Feuerwiderstandsprüfungen für Installationen - Teil 11: Brandschutzsysteme für Kabelanlagen und zugehörige Komponenten

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 127.

This draft amendment A1, if approved, will modify the European Standard EN 1366-11:2018. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword

This document (prEN 1366-11:2018/prA1:2021) has been prepared by Technical Committee CEN/TC 127 “Fire safety in buildings”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

1 Modifications to 7.1.3

In the first paragraph:

Replace "four possibilities" *with* "five possibilities".

In the paragraph starting Configuration 1:

Replace:

" — 1 power cable of type H05VV-F (with PVC insulation and PVC sheath), dimension 4 or 5 × 16 mm^2, according to EN 50525-2-11,"

with:

" — 1 power cable with PVC insulation 70 °C of type E-YY-J or NYY-J or identical acc. HD 603 S1, dimension 4 or 5 × 16 mm^2 (with PVC insulation and PVC sheath),".

At the end of the subclause, add the following new text:

"Configuration 5: To represent all types of power cables (rated voltage 300/500 V) for an operating voltage up to 230/400 V (three-phase AC) and all types of power cables (rated voltage 450/750 V up to 0,6/1 kV) for an operating voltage up to 400/690 V (Three-phase AC) and signal/control cables for an operating voltage up to 110 V (AC), the following cable types shall be laid in the fire protective system:

— 2 power cables of type H05VV-F with PVC insulation 70 °C, dimension 4 or 5 × 1,5 mm^2 (with PVC insulation and PVC sheath), according to EN 50525-2-11;

— 2 power cables with PVC insulation 70 °C of type E-YY-J or NYY-J or identical according to HD 603 S1, dimension 4 or 5 × 16 mm^2 (with PVC insulation and PVC sheath);

— 2 power cables with PVC insulation 70 °C of type E-YY-J or NYY-J or identical according to HD 603 S1, dimension 4 or 5 × 1,5 mm^2 (with PVC insulation and PVC sheath);

— 2 signal-/control cables with PVC insulation for 70 °C (one screened and one unscreened), dimensions 2 × 2 × 0,8 mm or 1 × 4 × 0,8 mm according to EN 50288-7.".

2 Modification to 10.2.1

After the 3rd paragraph ending "... 690 V between phase-phase.", add the following new paragraph:

"For the 2 power cables of type H05VV-F and one power cable of type E-YY-J or NYY-J or identical according to HD 603 S1, dimension 4 or 5 × 16 mm^2 in configuration 5 with the operating voltage of 230/400 V (three-phase AC), 230 V phase-neutral and 400 V between phase-phase.

For the 2 power cables of type E-YY-J or NYY-J or identical according to HD 603 S1, dimension 4 or 5 × 1,5 mm^2 and one power cable of type E-YY-J or NYY-J or identical according to HD 603 S1, dimension 4 or 5 × 16 mm^2 in configuration 5 with the operating voltage of 400/690 V (three-phase AC), 400 V phase-neutral and 690 V between phase-phase.".

3 Modification to 13.1

Replace the 3rd paragraph with:

"Configuration 2: Classification for power cables rated voltage 450/750V up to 0,6/1kV and for signal-/control cables for a rated voltage up to 170 V".

After the 4th paragraph ending "... voltage up to 170 V", add the following text as a new paragraph:

“Configuration 5: Classification for signal-/control cables for a nominal voltage up to 170 V.

Depending on the test results of the tested cables, one the 3 following classifications is possible:

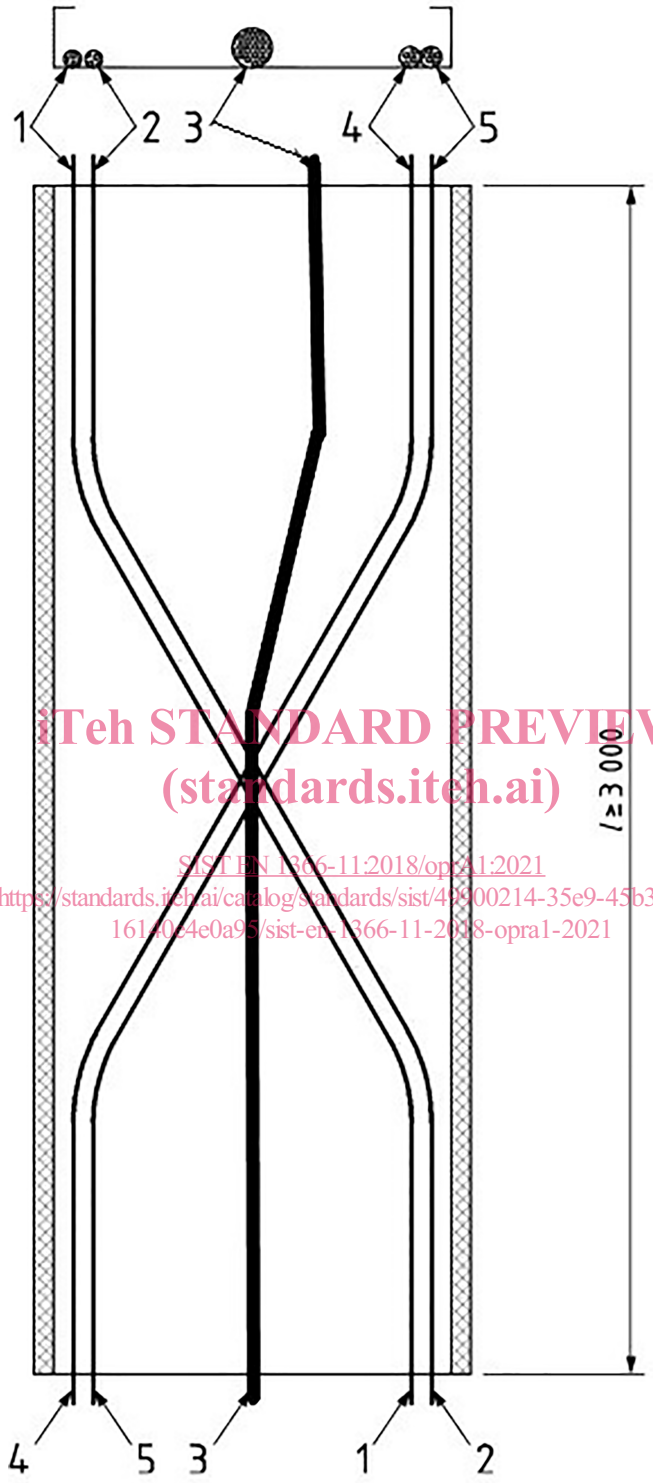
— Classification for power cables up to a rated voltage 300/500 V

— Classification for power cables rated voltage 450/750V up to of 0.6/1 kV

— Classification for power cables up to a nominal voltage of 0.6/1 kV".

4 Modification to Figure 5

Replace Figure 5 and replace with Figures 5a and 5b below: "

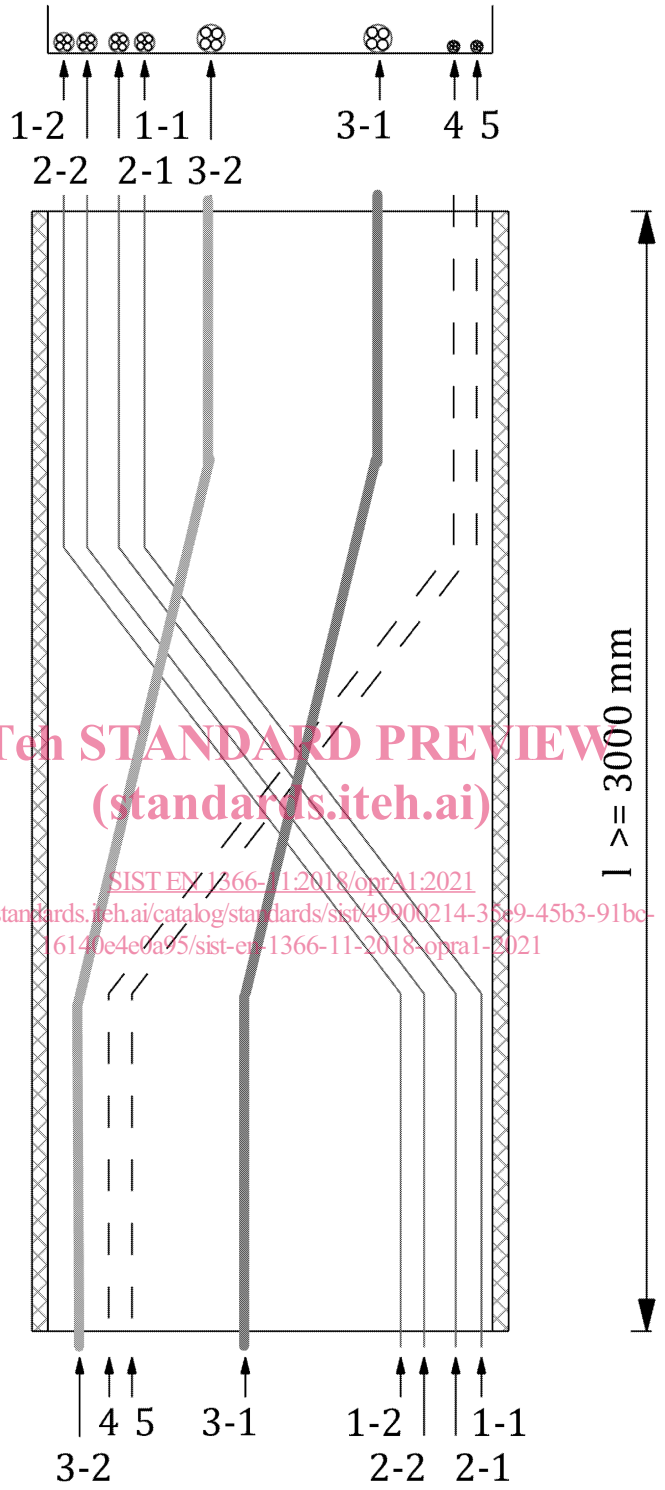


Key

1, 2, 3 H05 VV-F acc. to EN 50525-2-11 / E-YY-J or NYY-J or identical acc. HD 603 S1

4, 5 signal-/control cables dimensions 2 × 2 × 0,8 mm or 1 × 4 × 0,8 mm according to EN 50288-7

Figure 5a — Position of cables except for configuration 5



Key

1-2; 2-2,	H05 VV-F acc. to EN 50525-2-11 dimension 4 or 5 × 1,5 mm²
1-1; 2-1,	E-YY-J or NYY-J or identical acc. HD 603 S1 dimension 4 or 5 × 1,5 mm²
3-1; 3-2,	E-YY-J or NYY-J or identical acc. HD 603 S1 dimension 4 or 5 × 16 mm²
4, 5	signal-/control cables dimensions 2 × 2 × 0,8 mm or 1 × 4 × 0,8 mm according to EN 50288-7
	Operating voltage 400/690 V for cables 1-1,2-1,3-1

Operating voltage 230/400 V for cables 1-2,2-2,3-2
Operating voltage 110 V for cables 4,5

Figure 5b — Position and operating voltage of cables for configuration 5".