



**SLOVENSKI STANDARD**  
**SIST HD 308 S1:1999**

**01-julij-1999**

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**Identification and use of cores of flexible cables**

Identification and use of cores of flexible cables

Kennzeichnung und Verwendung der Adern von Flexiblen Isolierten Leitungen

Repérage et utilisation des conducteurs et câbles souples

**Ta slovenski standard je istoveten z: HD 308 S1:1976**

[SIST HD 308 S1:1999](https://standards.iteh.ai/catalog/standards/sist/c56186d8-67cb-4542-9d6c-a2c702a571b9/sist-hd-308-s1-1999)

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**ICS:**

29.060.20      Kabli                                      Cables

**SIST HD 308 S1:1999**                                      **en**

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HARMONIZATION DOCUMENT  
DOCUMENT D'HARMONISATION  
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HD 308

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Keys Words - flexible cables  
- non-sheathed cables  
- fixed installations  
- current-using equipment  
- protective conductor  
- neutral conductor



English Version

IDENTIFICATION AND USE OF CORES OF FLEXIBLE CABLES

REPERAGE ET UTILISATION DES CONDUCTEURS DES  
CABLES SOUPLES

KENNZEICHNUNG UND VERWENDUNG DER ADERN VON  
FLEXIBLEN ISOLIERTEN LEITUNGEN

SIST HD 308 S1:1999

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Committee 64.

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C E N E L E C  
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COMITE EUROPEEN DE NORMALISATION ELECTROTECHNIQUE  
EUROPÄISCHES KOMITEE FÜR ELEKTROTECHNISCHE NORMUNG

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## 1.- Scope

These rules apply to the cores of flexible cables conforming with harmonization documents HD 21 and HD 22, for use in fixed installations and for supplying fixed or mobile current-using equipment, for which the voltage does not exceed the upper limit of Voltage Band 2 (according to harmonization document HD 193)

They do not apply to cables used in the internal wiring of current-using equipment or factory built assemblies.

## 2.- Identification of cores

2.1.- The cores shall be identified by colour, except for the cases mentioned in 2.2 and 2.3. Table 1 indicates the colours of the cores, according to the number of cores, as well as the order of rotation of those colours.

TABLE 1

Number of cores	Colours of cores			
1	green/yellow	light blue	other colours (*)	
2	light blue	brown		
3	green/yellow	Brown	light blue	
4	green/yellow	black	light blue	brown
5	green/yellow	Black	light blue	brown black

(\*) The colours green and yellow, and any bicolour identification other than the combination of the colours green and yellow, are not permitted. Each country is free to prescribe or prohibit other colours.

2.2.- It is not necessary to identify by colour the cores of flat flexible cables **without sheath**.

2.3.- For the use of single-core sheathed cables, identification by continuous colouring of the insulation is not necessary. However, in that case, the ends of the cores shall be durably identified, during installation :

- by the bicolour identification green/yellow for the protective conductor,
- by the colour light blue for the neutral conductor.

2.4.- For the core identified by the combination of the colours green and yellow, the distribution of those colours shall comply with the following condition :

For every 15mm length of core, one of those colours shall cover at least 30% and not more than 70% of the surface of the core, the other colour covering the remainder of that surface.

2.5.- For flexible cables having 3, 4 or 5 cores, National Committees are free to prescribe types of cable not including a green/yellow core : such cables shall include a light blue core, the other cores being coloured brown or black. Such cables are not considered to be harmonised and represent national deviations.

### 3.- Conditions of use of cores according to their identification by colour

TABLE 2

Colours of cores	Characteristics of the circuit	Conditions for the cables	
		1 conductor	2 to 5 conductors
green/yellow	with protective conductor	1)	1)
	without protective conductor	2)	3)
light blue	with neutral conductor	4)	4)
	without neutral conductor	5)	6)
other colours	-	7)	7)

- 1) The green/yellow core is used as protective conductor.
- 2) The green/yellow core shall not be used.
- 3) The green/yellow core shall not be used. A cable not including a green/yellow core may then be used (see clause 2.5).
- 4) The light blue core is used as neutral conductor.
- 5) The light blue core shall not be used as a protective conductor. In addition, countries are free to admit or preclude the use of the light blue core as a conductor other than the neutral conductor.
- 6) The light blue core may be used for other purposes except as a protective conductor.
- 7) These cores may be used for any purpose, except as protective conductor or neutral conductor.