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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

**34839—**  
**2022**

**35**

(IEC 60055-1:2005, NEQ)  
(IEC 60502-4:2010, NEQ)

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1.2 «  
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2 46 «  
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3 ( -  
29 2022 . 150- )

( 3166) 004—97	( 3166) 004—97	
	BY KZ KG RU UZ	« »

4 13  
2022 . 621- 34839—2022  
1 2023 .

5 IEC 60055-1: 2005 «  
18/30 ( 1.  
» [«Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminum conductors and excluding gas-pressure and oil-filled cables) — Part 1: Tests on cables and their accessories», NEQ]; IEC 60502-4:2010 «  
1 ( $U_m = 1,2$  ) 30 ( $U_m = 36$  ). 4.  
6 ( $U_m = 7,2$  )  
30 ( $U_m = 36$  )» [«Power cables with extruded insulation and their accessories for rated voltages from 1 kV ( $U_m = 1,2$  kV) up to 30 kV ( $U_m = 36$  kV) — Part 4: Test requirements on accessories for cables with rated voltages from 6 kV ( $U_m = 7,2$  kV) up to 30 kV ( $U_m = 36$  kV)», NEQ]

6  
7 13781.0—86 \* 13781.2—77. \*

\* 13 2022 .  
621- 13781.0—86 13781.2—77  
01.01.2023.

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© . « », 2022



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11	.....	19
12	.....	19
	( ) .....	20
	( ) .....	21
	.....	23

35

Accessories of power cables for rated voltage up to 35 kV including. General specifications

— 2023—01—01

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9.048		.	.	-
12.2.007.14		.	.	-
15.309—98			.	-
20.57.406		.	,	-
166 ( 3599—76)		.		
427		.		
1516.2			3	
2990*	,	.		
6433.1		.		-
9151	-92.			
9920		3	750	.
10354		.		

53354—2009 «

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3.1			$U:$			
3.2	( :					-
3.3			$U_m:$			-
50						-

2

- 3.4 : , -
- /
- 3.5 : , -
- 3.6 : , -
- 3.7 : , , -
- 3.8 : , / -
- 3.9 : , -
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- 3.10 : , -
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- 3.11 : , -
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- 3.13 : , -
- 3.14 : , -
- ( )
- 3.15 : ( ) -
- 3.16 : , -
- 3.17 : ( ) -
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- 3.18 : , -

4

- 4.1 , -
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4.2 : -

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- ( ) ( 1 );  
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) :  
- ( );  
- , -LS, -HF;  
) , : 1;  
3; 6; 10; 20; 35 ;  
) , 2;  
- 1,5; 2,5; 4,0; 6,0; 10; 16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 625;  
630; 800; 1000; 1200; 1400; 1600 2;  
- , 2: 25—50; 70—120 . .

15150.

4.3

4.2 ) — ). 1, ,



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-  
:  
-  
1  
70, 95 120 2:  
4 -1—70-120 , \*;  
-  
1  
150, 185 240 2:  
5 -1—150-240 , \*;  
-  
-,  
10 300 2:  
1 -LS-I 0—300 , \*;  
-  
50 2:  
6  
-6-50 , \*.

## 5

### 5.1

#### 5.1.1

#### 5.1.2

15150

#### 5.1.3

### 5.2

#### 5.2.1

##### 5.2.1.1

##### 5.2.1.2

##### 5.2.1.3

##### 5.2.1.4

9151.

##### 5.2.1.5

3 22483.

100

5.2.1.6 10

5.2.1.7 6, 10, 20 35

5.2.1.8

10434

( [1]).

5.2.1.9

5.2.1.10 9920.

**5.2.2**

5.2.2.1 1 3

2.

1	3,5	4	6	6
3	7,0	10	18	18

— 10

5.2.2.2 6—35

3.

3 —		6—35				
		,				
		6	10	20	35	
1 (4,5U <sub>0</sub> )                      5                      ,		16	27	54	90	
15                      ,		15	24	48	80	

3

	6	10	20	35	
2 1, *	15	24	48	80	
3 ( (1,73 / <sub>0</sub> ), -	6	10	20	35	10
4 10, : ( - / ) + (5— 10) °C +(0—5) °C -	60	75	125	190	
5 , : - +(0—5) °C — 63 ; - +(5—10) °C — 60 -	5,4 9	9 15	18 30	30 50	
6 4 ( - )	24	40	75	100	
7 ( ) - (1,73( <sub>0</sub> ),	6	10	20	35	10
8 ( )** -	- ,				
9 ( )** -	- ,				
10 **	- /				
11 (2,5t <sub>0</sub> ) 15 ,	9	15	30	50	
12 * 500 , ,	5	8	16	26	50 % ,

\*

\* \*

— , , —  
.2.

5.2.2.3

4.

6—35

4 —

6—35

	, ,				
	6	10	20	35	
1 (4,51/ <sub>0</sub> ) 5 , 15	16 15	27 24	54 48	90 80	
2 ( ) (1,73t/ <sub>0</sub> ),	6	10	20	35	10 -
3 , ( - 10 / ) +(5—10) °C +(0—5) °C	60	75	125	190	
4 , : - , 60 +(0—5) °C; - 30 30 - +(5—10) °C	5,4 9	9 15	18 30	30 50	
5 ( ) (1,73t/ <sub>0</sub> ),	6	10	20	35	10 -
6 4 ( )	24	40	75	100	
7 - ( )*					-
8 - )* (					-
9 - *	/ -				
10 (2,5(7 <sub>0</sub> ) 15	9	15	30	50	

5.2.2.4

5.

6.

5 —

	6	10	20	35	
1 (4,5t <sub>0</sub> )  5  15	16	27	54	90	
	15	24	48	80	
2  (1,73 / <sub>0</sub> ),	5	10	20	35	10
3  10 - ( / ) + (5—10) °C	60	75	125	190	
4  ( )*					
5  ( )*					
6  *	/ -				
7 30 : 30 + (5—10) °C	9	15	30	50	
8  / - -					
9  + (5—10) °C (1,73 / <sub>0</sub> ),	6	10	20	35	10
10 (2,5t <sub>0</sub> ) 15 ,	9	15	30	50	

\* , ,  
1 1300 1  
14 .  
2 ' > —  
.2.

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5.2.2.5

5.2.2.6

5.2.2.7

5.2.2.8

5000

*U<sub>m</sub>*

0,5

5.2.2.9 3—6

### 5.2.3

5.2.3.1 300 ,

5.2.3.2

5.2.3.3

5.2.3.4

### 5.2.4

5.2.4.1

50 °C.

5.2.4.2

50 °C.

5.2.4.3

98 %

5.2.4.4

35 °C.

9.048.

### 5.2.5

— 30

### 5.2.6

5.2.6.1

18690

5.2.6.2

5.2.6.3

( ),

( )

5.2.6.4

);

5.2.6.5

: « », « » 14192.

«	»	14192.	-
<b>5.2.7</b>			
5.2.7.1		18690	-
5.2.7.2	,	( )	-
( )	,	16511	-
5.2.7.3			-
5.2.7.4	10354.		-
5.2.7.5	,	10354.	-
5.2.7.6	:		-

## 6

## 7

### 7.1

7.1.1 ,  
12.2.007.14.

### 7.2

5.2.1.1—5.2.1.10, 5.2.2.1 ( 2), 5.2.2.2 ( 3), 5.2.2.3 ( 4), 5.2.2.4 ( 5, 6).

### 7.3

7.3.1 , 31565.

7.3.2 « », « -LS» « -HF»

7.3.3 « -LS», « -HF» -

### 7.4



## 8

## 8.1

15.309, -

## 8.2

## 8.3

## 8.3.1

15150

16 , -

## 8.3.2

7.

7 — -

1	( ) -	5.2.1.1; 5.2.1.3—5.2.1.8; 6	9.2.1
2		5.2.1.1; 5.2.1.3; 5.2.1.5; 5.2.1.10	9.2.2
	) ( ,	5.2.1.2	9.2.5
4	2,5U <sub>0</sub>	5.2.2.2, 3, 11; 5.2.2.3, 4, 10; 5.2.2.4, 5, 10; 5.2.2.4, 6, 10	9.3.2
5	1,73 / <sub>0</sub>	5.2.2.3, 3, 3; 5.2.2.3, 4, 2; 5.2.2.4, 5, 2; 5.2.2.4, 6, 2	9.3.3
6		5.2.6; 5.2.7	9.2.3

—

4 5

= 0, 4 5 — 1— , 6

= 0.

1 %

15.309—98 ( 6).

8.4

8.4.1

), ( ),

8.

8 —

1	2,5(7 <sub>0</sub> ) -	5.2.2.2, 3, 11; 5.2.2.3, 4, 10; 5.2.2.4, 5, ; 5.2.2.4, 6, 10	9.3.2
2	1,73L <sub>0</sub> -	5.2.2.3, 3, 3; 5.2.2.3, 4, 2; 5.2.2.4, 5, 2; 5.2.2.4, 6, 2	9.3.3
	-	5.2.2.2, 3, 4 11; 5.2.2.3, 4, 3 10; 5.2.2.4, 5, 3 10; 5.2.2.4, 6, 3 10	9.3.5
4		5.2.6.3	9.2.4
5	[ ( ) , - , - ] -	5.2.2.9	9.1.2

8.4.2

<sub>1</sub> = <sub>2</sub> = 3

<sub>3</sub> = 1 ( <sub>1</sub> <sub>2</sub> ) <sub>1</sub> = 0 <sub>2</sub> = 2

8.5

8.5.1

8.5.2

5.2.2.2; 5.2.2.3; 5.2.2.4

.1 .2,

## 9

## 9.1

9.1.1 15150,

9.1.2

## 9.2

9.2.1

(5.2.1.1; 5.2.1.3—5.2.1.8; 6) -  
24104 -

9.2.2 (5.2.1.1; 5.2.1.5; 5.2.1.10) -  
427, 166

17675

9.2.3 (5.2.6) (5.2.7)

9.2.4 (5.2.6.3) (

9.2.5 ( ( ),  
(5.2.1.2)

9.2.6 (5.2.1.5) 12177.

## 9.3

9.3.1 , 3 -

9.3.2 (5.2.2.1, 2; 5.2.2.2, 3, 1,  
6, 11; 5.2.2.3, 4, 1,6, 10; 5.2.2.4, 5, 1,10; 5.2.2.4, 6, 1,10)  
2990.

9.3.3 (5.2.2.2, 3, 3, 7; 5.2.2.3, 4,  
2, 5; 5.2.2.4, 5, 2, 9; 5.2.2.4, 6, 2, 9) 28114.

9.3.4 (5.2.2.2, 3, 2) 1516.2.

9.3.5 (5.2.2.2, 3,  
4; 5.2.2.3, 4, 3; 5.2.2.4, 5, 3; 5.2.2.4, 6, 3)  
2990 (5.2.2.2, 3,

11; 5.2.2.3, 4, 9; 5.2.2.4, 5, 10; 5.2.2.4, 6, 10).

9.3.6 (5.2.2.2, 3, 5; 5.2.2.3, 4,  
4; 5.2.2.4, 5, 7; 5.2.2.4, 6, 7)

— , —

0,5

0,5,

1

8 ,

2 : -

- 5 °C — 10 °C

;  
- 5 °C



9.4.2  
(5.2.3.2)

1 3 % 600 10 % 4.

9.4.3 800 10 3 % (5.2.3.3)

9.4.4 4. (5.2.3.4)

12 5 (20 ± 2) °C

9.4.5 900 5, 1)

**9.5**

9.5.1 (5.2.4.1) 16962.1 ( 201-1.2). (50 ± 2) °C

4 1 , 15 , 2,5 $U_0$

9.5.2 (5.2.4.2) 20.57.406 ( 203-1). (50 ± 2) °C

4 1 , 15 , 2,5(7

9.5.3 (5.2.4.3) 16962.1 ( 207-2). (98 ± 2) %, (35 ± 2) °C

48

1 , 2,5(7 15

9.5.1, 9.5.2, 9.5.3

9.5.4  
(5.2.4.4) 20.57.406 ( 214-1).

**9.6**

(5.2.5)

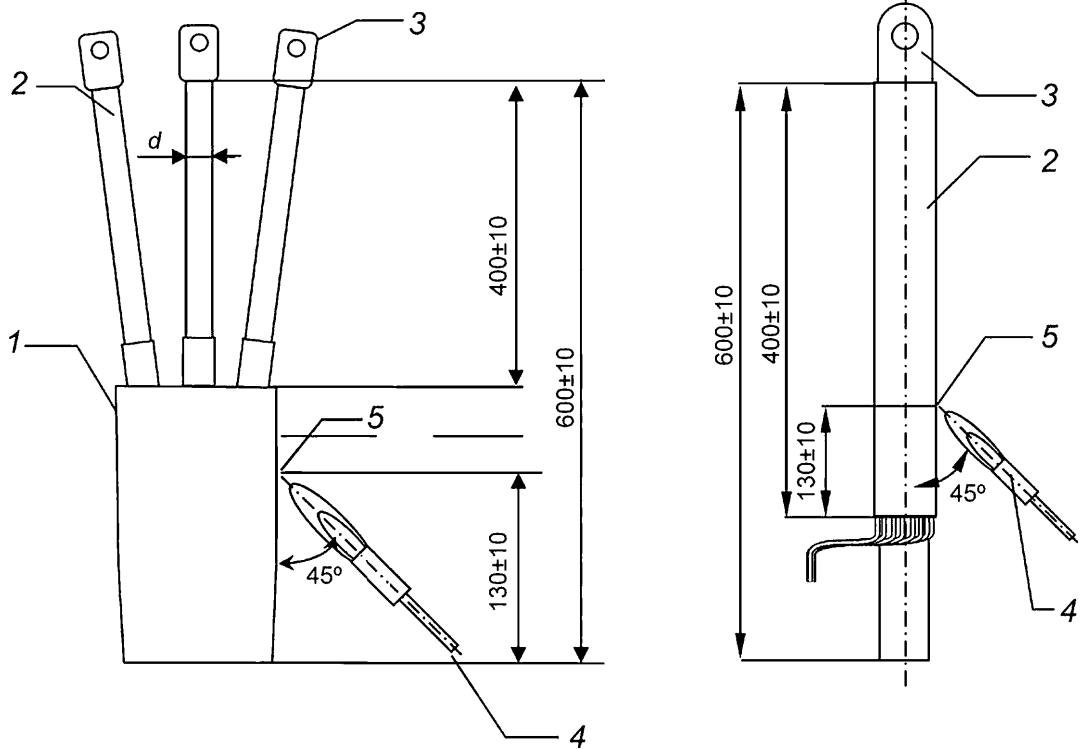
5.2.2.1—5.2.2.9.

9.7

9.7.1 (7.3.1) IEC 60332-1-2 -

— (600 ±10) , (400 ±10) .  
(

2d, d — 45°  
1. (130 ± 10)



1 — ( ) ; 2 — ; 3 — ; 4 — ; 5 —

1 —

, ,

$$T=QQ + \frac{\quad}{25} >$$
 (1)

— , .

( ) 120 ,

50 ,

10 .

9.7.2 - (7.3.3)  
IEC 61034-2. -  
50 % « -LS» 40 % -  
« -HF».

10

10.1 4  
15150; — 15150,  
10.2 -  
—

11

11.1 -  
50 °C 50 °C  
98 % 35 °C.  
11.2  
10 °C. ,  
11.3  
1000 ,  
-  
-

12

12.1 -  
12.2 — 5  
-  
-

( )

.1 — ,

50	16
70, 95, 120	25
150, 185, 240	35

.2 —

	, °C	, °
6	80	200
10	70	200
20	65	150
35	60	150
	70	160/140*
	90	350 (350)**



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: 120, 150 185 2.  
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	( )	Al ( )
200/250	50	70
400	95	150
600/630	185	300
800	300	400
1250	500	630
1		
2		

.2

( 2—4),  
95—300 2.  
-  
( 5, 6),  
.1,  
.2.  
-

.2 —

	, 2	
200/250	25	95
400	95	240
600/630	95	300
800	150	400
1 250	240	630

/ -

.2,

1	5 15	- 4,5U <sub>0</sub> 4,0U <sub>0</sub>
2	( )	- - - 1.73O <sub>0</sub>
3		10 / ) +(5—10) °C
4		10 +(5—10) °C 2,51/0
5		) , , ( - -

- [1] IEC 61238-1-3—2018 Compression and mechanical connectors for power cables — Part 1-3: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages above 1 kV ( $U_m = 1,2$  kV) up to 30 kV ( $U_m = 36$  kV) tested on non-insulated conductors ( ).
- 1-3.
- 1 ( $U_M = 1,2$  ) 30 ( $U_M = 36$  ),

34839—2022

662.315.687.2:006.354

29.120.10

15.07.2022.

25.07.2022.

 $60 \ 84\frac{1}{8}.$ 

29.07.2022.

.	.	3,26.	-	.	2,95.
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