INTERNATIONAL STANDARD ISO 6722-1:2011
TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Road vehicles — 60 V and 600 V single-core cables —

Part 1: Dimensions, test methods and requirements for copper conductor cables

TECHNICAL CORRIGENDUM 1

Véhicules routiers — Câbles monoconducteurs de 60 V et 600 V —

Partie 1: Dimensions, méthodes d'essai et exigences pour les câbles conducteurs en cuivre

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 6722-1:2011 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

Page 7, Table 4

Replace Table 4 with the following table in which some of the dimensions in the "ISO conductor diameter" column have been corrected:

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Table 4 — Dimensions

ISO conductor		Thick wall			Thin wall			Ultra-thin wall		
Size	Diameter	Insulation thickness		Outside cable diameter	Insulation thickness		Outside cable diameter	Insulation thickness		Outside cable diameter
mm^2	mm	mm		mm	mm		mm	mm		mm
	max.	nominal	min.	max.	nominal	min.	max.	nominal	min.	max.
0,13	0,55						1,05			0,95
0,22	0,70				0,25	0,20	1,20			1,05
0,35	0,90						1,40 [a]			1,20
0,50	1,10			2,30	0,28	0,22	1,60			1,40
0,75	1,30			2,50			1,90	0,20	0,16	1,60
1	1,50	0,60	0,48	2,70	0,30	0,24	2,10			1,75
1,25	1,70			2,95			2,30			2,00
1,5	1,80			3,00			2,40			2,10
2	2,00			3,30	0,35	0,28	2,80			2,40
2,5	2,20	0,70	0,56	3,60			3,00	0,25	0,20	2,70
3	2,40			4,10			3,40			
4	2,80			4,40			3,70			
5	3,10	0,80	0,64	4,90	0,40	0,32	4,20			
6	3,40			5,00			4,30			
8	4,30			5,90			5,00			
10	4,50			6,50	0,60	0,48	6,00			
12	5,40	1,00	0,80	7,40			6,50			
16	6,30			8,30			7,20			
20	6,90	1,10	0,88	9,10	0,65	0,52	7,80			
25	7,80			10,40			8,70			
30	8,30	1,30	1,04	10,90	0,80	0,64	9,60			
35	9,00			11,60			10,40			
40	9,60	1,40	1,12	12,40	0,90	0,71	11,10			
50	10,50			13,50			12,20			
60	11,60	1,50	1,20	14,60	1,00	0,80	13,30			
70	12,50			15,50			14,40			
95	14,80	1,60	1,28	18,00	1,10	0,90	16,70			
120	16,50			19,70						

NOTE Outside cable diameter minimum values for high volume cable constructions are shown in Table B.2. Since the values in Table B.2 are informative, they are not required; however, they may be applied by agreement between customer and supplier.

[a] The outside cable diameter for conductor size 0,35 mm^2 with 7 strands shall be max. 1,30 mm.

Page 8, 5.4.3

Replace Formula (1) by the following formula including explanation:

$$R_{20} = \frac{R_T}{L\left[1 + 0{,}00393(T - 20)\right]} \quad (1)$$

where:

R_{20} is the corrected conductor resistance at the reference temperature of 20°C, expressed in mΩ/m;

R_T is the conductor resistance measured at the conductor temperature in mΩ;

L is the unsoldered measured length in m.

Page 12, 5.7.4

Replace Formula (2) by the following:

$$\rho_0 = 2{,}725 \times \frac{LxR}{\lg \frac{D}{d}} \quad (2)$$

where

ρ_0 is the insulation volume resistivity, expressed in Ωmm;

L is the immersed length of the test sample in mm;

R is the measured insulation resistance in Ω;

D is the outside cable diameter in mm according to 5.1;

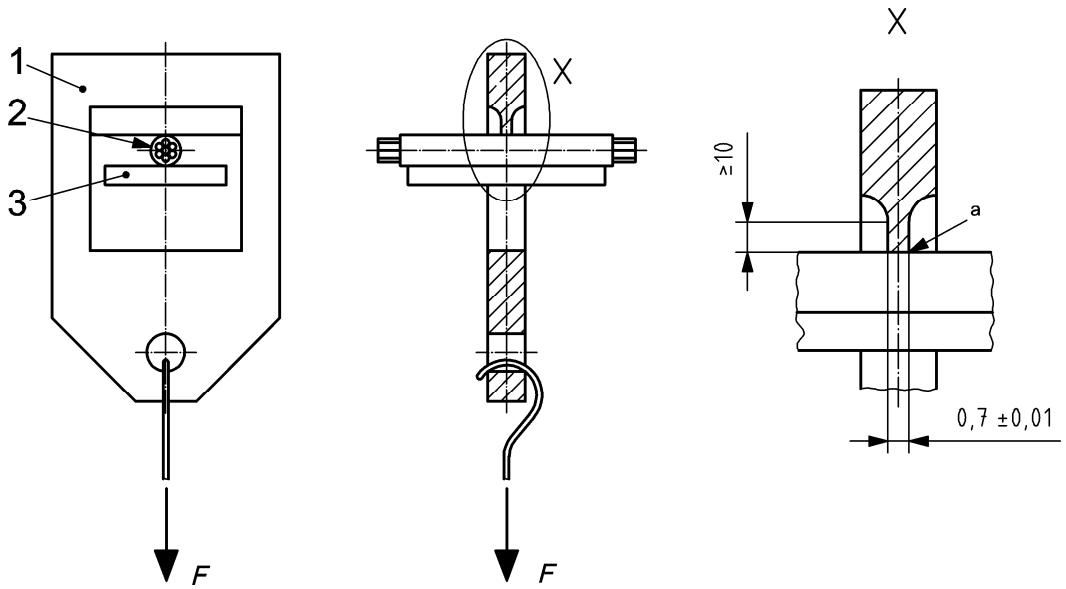
d is the conductor diameter in mm according to 5.3;

$\lg$ is logarithm to the base 10.

Page 14, Figure 2

Replace Figure 2 by the following:

Dimensions in millimetres



Key

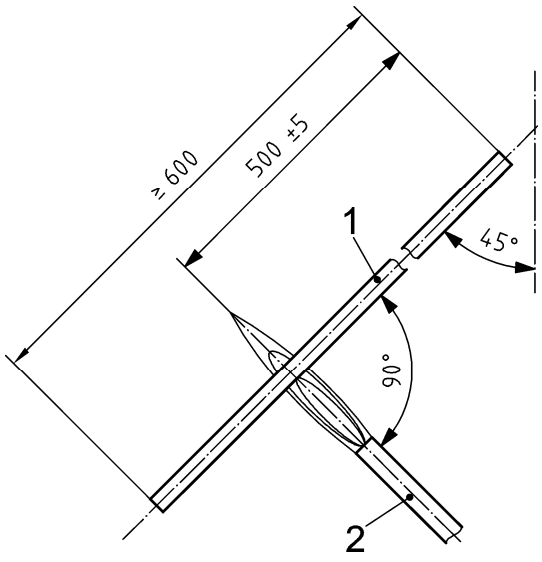
1 test frame
2 test sample
3 support
F applied force
[a] Sharp edge with a max. radius of 0,05 mm.

Figure 2 — Apparatus for pressure test at high temperature

Page 35, Figure 10

Replace Figure 10 by the following:

Dimensions in millimetres



Key

1 test sample

2 Bunsen burner

Figure 10 — Apparatus for resistance to flame propagation