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**Aircraft — Conductors for general  
purpose aircraft electrical cables and  
aerospace applications — Dimensions  
and characteristics**

**AMENDMENT 1: Correction of table 1**

**iTeh STANDARD PREVIEW**  
*Aéronefs — Conducteurs pour câbles électriques pour usage général  
aéronautique et pour applications aérospatiales — Dimensions et  
caractéristiques*  
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*AMENDEMENT 1: Correction du tableau 1*  
*ISO 2635:2003/Amd 1:2017*

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This document was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 1, *Aerospace electrical requirements*.

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# Aircraft — Conductors for general purpose aircraft electrical cables and aerospace applications — Dimensions and characteristics

## AMENDMENT 1: Correction of table 1

7.2, Table 1

Replace Table 1 with the following:

Table 1 — Conductor, electric cable, in copper and copper alloy

Conductor code	Nominal cross-sectional area mm <sup>2</sup>	Approximate wire gauge with reference to AWG	Number of strands in conductor	Nominal strand size mm	Conductor diameter		Electrical resistance at 20 °C Max.		Mechanical properties		
					Min. mm	Max. mm	Types A and C Ω/km	Types B and D Ω/km	Elongation %	Mass per unit length kg/km	Ultimate breaking load N
001 <sup>a</sup>	0,15	26	19	0,10	0,46	0,53	149	160	6	1,6	46
002 <sup>a</sup>	0,25	24	19	0,12	0,55	0,62	106	114	6	2,18	67
004	0,4	22	19	0,15	0,70	0,80	55,3	60	10	3,43	71
006	0,6	20	19	0,20	0,94	1,04	31	33,2	10	5,95	127
010	1	18	19	0,25	1,18	1,29	19,6	21,1	10	9,16	198
012	1,2	16	19	0,30	1,39	1,53	13,6	14,5	10	13,2	285
020	2	14	37	0,25	1,68	1,82	10,2	10,9	10	18	385
030	3	12	37	0,32	2,12	2,28	6,4	6,8	10	28,5	645
050	5	10	37	0,40	2,69	2,88	4	4,2	10	46	1 000
090	9	8	127	0,30	—	4,40	2,3	2,4	10	87	—
140	14	6	27 × 7	0,30	—	5,50	1,5	1,55	10	133	—
220	22	4	37 × 12	0,25	—	6,80	0,91	0,94	10	216	—
340	34	2	37 × 19	0,25	—	8,60	0,585	0,62	10	342	—
420	42	1	37 × 23	0,25	—	9,50	0,48	0,5	10	414	—
530	53	0	37 × 29	0,25	—	10,70	0,375	0,39	10	526	—
680	68	00	37 × 37	0,25	—	12,10	0,295	0,305	10	685	—
850	85	000	48 × 36	0,25	—	13,60	0,233	0,24	10	849	—
107	107	0 000	61 × 36	0,25	—	15,20	0,183	0,19	10	1 090	—

<sup>a</sup> High-strength copper alloy

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