

INTERNATIONAL STANDARD

AMENDMENT 1

**Charging cables for electric vehicles for rated voltages up to and including
0,6/1 KV –
Part 1: General requirements**

[IEC 62893-1:2017/AMD1:2020](https://standards.iteh.ai/catalog/standards/sist/7a6e0ee1-31b3-466f-bdae-aed6e47ded0e/iec-62893-1-2017-amd1-2020)

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STANDARD PREVIEW
(standards.iteh.ai)
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CHARGING CABLES FOR ELECTRIC VEHICLES FOR RATED VOLTAGES UP TO AND INCLUDING 0,6/1 KV –

Part 1: General requirements

AMENDMENT 1

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Amendment 1 to IEC 62893-1:2017 has been prepared by IEC technical committee 20: Electric cables.

The text of this amendment is based on the following documents:

Draft	Report on voting
20/1916/CDV	20/1933/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications/.

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

8.3.4 Mechanical properties before and after ageing

Table 2 – Item #4 of the first column "Ref. No."

Replace "For core diameter ≤ 12 mm" by "For core diameter $\leq 12,5$ mm", as follows:

4	Bending at low temperature For core diameter $\leq 12,5$ mm				60811-504	
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Table 2 – Item #5 of the first column "Ref. No."

Replace "For core diameter > 12 mm" by "For core diameter $> 12,5$ mm", as follows:

5	Elongation test at low temperature For core diameter $> 12,5$ mm				60811-505	
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8.7.4 Mechanical properties before and after ageing

Table 3 – Item #4 of the first column "Ref. No."

Replace "For overall cable diameter ≤ 12 mm" by "For overall cable diameter $\leq 12,5$ mm", as follows:

4	Bending at low temperature For overall cable diameter $\leq 12,5$ mm					60811-504	
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Table 3 – Item #5 of the first column "Ref. No."

Replace "For overall cable diameter > 12 mm" by "For overall cable diameter > 12,5 mm", as follows:

5	Elongation test at low temperature For overall cable diameter > 12,5 mm					60811-505	
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Table 3 – Item #11.1 of the first column "Ref. No."

Replace all three occurrences of "5" by "168" as follows:

11.1	Test conditions: Acid: 1 Normal-oxalic-acid or acetic acid Alkaline solution: 1Normal-sodium hydroxide solution – temperature – duration	°C h	23 ± 2 168	23 ± 2 168	23 ± 2 168		
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8.8.1 Electrical properties

Table 4 – Item #2.2 of the first column "Ref. No."

Replace "Voltage applied (AC)" by "Applied voltage (AC)" and replace "Voltage applied (DC)" by "Applied voltage (DC)", as follows:

2.2	Applied voltage (AC) or Applied voltage (DC)	V V	2 000 4 000	2 500 5 000	3 500 7 000		
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Table 4 – Item #3.2 of the first column "Ref. No."

Replace the entire text and data of 3.2 as follows:

3.2	Applied voltage (AC) on all cores or Applied voltage (DC) on all cores	V V	1 500 3 000	2 500 5 000	3 500 7 000		
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Table 4 – Item #4 of the first column "Ref. No."

Replace "60245-2" by "60227-2" as follows:

4	Measurement of insulation resistance					60227-2	2.4
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