

# INTERNATIONAL STANDARD

# IEC 60245-6

1994

AMENDMENT 1  
1997-06

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Amendment 1

**Rubber insulated cables –  
Rated voltages up to and including 450/750 V –**

**Part 6:  
Arc welding electrode cables**

Document Preview

[IEC 60245-6:1994/AMD1:1997](https://standards.iteh.ai/catalog/standards/iec/ced3852b-065b-43f0-97cb-8a6475bb4303/iec-60245-6-1994-amd1-1997)

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

## FOREWORD

This amendment has been prepared by sub-committee 20B: Low-voltage cables, of IEC technical committee 20: Electric cables.

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

FDIS	Report on voting
20B/231/FDIS	20B/246/RVD

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

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Table 1 – General data for types 245 IEC 81 and 245 IEC 82

Replace the existing table 1 by the following new table 1:

**Table 1 – General data for types 245 IEC 81 and 245 IEC 82**

1	2	3	4	5	6	7	8
Nominal cross-sectional area of conductor  mm <sup>2</sup>	Maximum diameter of wires in conductor  mm	Total thickness of covering  Specified value mm	Thickness of sheath <sup>1)</sup> of composite covering  Specified value mm	Mean overall diameter		Maximum conductor resistance at 20 °C	
				Lower limit mm	Upper limit mm	Tinned wires Ω/km	Untinned wires Ω/km
16	0,21	2,0	1,3	8,8	11,0	1,19	1,16
25	0,21	2,0	1,3	10,1	12,7	0,780	0,758
35	0,21	2,0	1,3	11,4	14,2	0,552	0,536
50	0,21	2,2	1,5	13,2	16,5	0,390	0,379
70	0,21	2,4	1,6	15,3	19,2	0,276	0,268
95	0,21	2,6	1,7	17,1	21,4	0,204	0,198

<sup>1)</sup> The thickness of the insulation of composite covering is not measured separately.