TABLE VI.—RUBBER-INSULATED FLEXIBLE CABLES FOR USE WITH PORTABLE APPLIANCES: CURRENT-CARRYING CAPACITY.

(Standard Annealed Copper.)

Number and Diameter (Inches) of Wires comprising Conductor.*	Nominal Area.	Maximum Current permissible (subject to Voltage-drop).	
		Two Conductors.	Three Conductors.
1.	2.	3.	4.
	Sq. in.	Amps.	Amps.
140/·010	0·01	20	17
195/·010	0·0145	24	20
296/·010	0·0225	30	25
266/·012	0·03	35	30
368/·012	0·04	42	35

* The current-carrying capacity of a conductor having wires of a number, or diameter, not specified in this table shall be taken to be proportionate to that of the cases specified.

An earthing-lead, whether insulated or not, forming part of a flexible cable is not deemed to be a conductor for the purpose of this table.

TABLE VII.—FLEXIBLE CORDS: DIMENSIONS AND RESISTANCE OF CONDUCTORS.

Ordinary Flexible Cords or Flexible Cords with Tough Rubber Sheathing.*				Flexible Cords with Tough Rubber Sheathing.		
Number of 0·0076-inch-diameter Wires comprising Conductor.	Resistance per 1,000 Yards at 60° F.			Number of 0·012-inch-diameter Wires comprising Conductor.	Resistance per 1,000 Yards at 60° F.	
	Standard.	Maximum allowable for Plain Wires.	Maximum allowable for Tinned Wires.		Standard.	Maximum allowable
1.	2.	3.	4.	5.	6.	7.
	Ohms.	Ohms.	Ohms.		Ohms.	Ohms.
14†	39·7	40·5	41·3	—	—	—
23	24·2	24·6	25·1	11‡	24·6	25·1
40	13·9	14·2	14·4	16*	14·2	14·4
70	7·94	8·1	8·26	28*	8·1	8·26
110	5·05	5·15	5·25	44*	5·15	5·25
162	3·43	3·5	3·57	65*	3·5	3·57

* All copper.
† 14/·0076 may be used only in accordance with Regulation 43–11 hereof.
‡ 9 copper; 2 steel.

TABLE VIII.—FLEXIBLE CORDS: CURRENT-CARRYING CAPACITY AND THICKNESS OF INSULATION.

Number and Diameter of Wires comprising Conductor.*		Nominal Area.	Maximum Current permissible (subject to Voltage-drop).	Minimum Radial Thickness of Insulating Material.					Minimum Radial Thickness of Tough Rubber Sheathing for Heavy Duty.‖			
				High Insulation.			Medium Insulation.					
0·0076-inch-diameter Wires.†	0·012-inch-diameter Wires.			Pure Rubber.	(a) Pure and/or Vulcanized Rubber; (b) Homogeneous Insulation.	Homogeneous Insulation with a Lapping of Cotton or Silk next to the Conductor.	Pure Rubber.	(a) Pure and/or Vulcanized Rubber; (b) Homogeneous Insulation.	Single.	Twin.	Three-core.	Four-core.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
		Sq. in.	Amps.	In.	In.	In.	In.	In.	In.	In.	In.	In.
14‡	—	0·0006	1·8	0·020	0·033	0·031	0·015	0·028	—	—	—	—
23	11§	0·0010	3·0	0·020	0·034	0·031	0·015	0·029	0·050	0·050	0·050	0·060
40	16†	0·0017	5·0	0·020	0·035	0·031	0·015	0·030	0·050	0·050	0·060	0·060
70	28†	0·0030	10·0	0·020	0·036	0·036	0·015	0·031	0·050	0·060	0·060	0·060
110	44†	0·0048	15·0	0·020	0·038	0·038	0·015	0·032	0·050	0·060	0·060	0·060
162	65†	0·0070	20·0	0·020	0·039	0·039	—	—	0·050	0·060	0·060	0·060

* The current-carrying capacity of a conductor having wires of a number or diameter not specified in this table shall be taken to be proportionate to that of the cases specified.
† All copper.
‡ 14/·0076 in. may be used only in accordance with Regulation 43–11 hereof.
§ 9 copper; 2 steel.
‖ A thickness of 0·030 in. is permissible for pendants up to 250 volts in the case of twin flexible cords having conductors of 23/·0076 in. or 11/·012 in.