

TABLE XIV.—APPROXIMATE FUSING CURRENTS OF LEAD-TIN ALLOY WIRES IN FREE AIR (LEAD 75 PER CENT., TIN 25 PER CENT.).

Size. 1.	Diameter of Wire. 2.	Fusing Current. 3.	Maximum Safe-working Current. 4.
S.W.G.	In.	Amps.	Amps.
25	0·020	3	2
24	0·022	3·5	2·3
23	0·024	4	2·6
22	0·028	5	3·3
21	0·032	6	4·1
20	0·036	7	4·8
18	0·048	10	7
16	0·064	16	11

The table refers to wires in free air and of the following lengths: 2½ in. to 3½ in.

TABLE XV.—FLEXIBLE CORDS: TYPE OF COVERING TO BE USED (REG. 23-61).*

Use.	Situation.	
	Dry.	Damp.
Pendants	Any	(f), (h), and (i).
Appliances—		
(a) Not subject to hard usage ..	Any except (i)	(d), (e), (f), and (h).
(b) Subject to hard usage ..	(c), (d), (e), (f), and (j)	(d), (e), and (f).
Lifts (Trailing-leads)	(c), (e), (f), (g), and (j).	

* For types of insulation see Regulation 23-31.

Extract from Regulation 23/61.

- (a) Braiding of natural silk or of artificial silk.
- (b) Glace-cotton braiding.
- (c) Hemp, cotton, jute, or other suitable braiding thoroughly compounded.
- (d) Wire armouring, comprising a flexible braiding of galvanized steel or bronze wire in addition to the covering specified in paragraph (c).
- (e) Hard-cord braiding in addition to the covering specified in paragraph (c).
- (f) Tough rubber sheathing in accordance with Regulation 23-71.
- (g) Flame-resisting braiding.
- (h) Varnished cotton or silk waterproof braiding.
- (i) Thin tough rubber compound over twisted conductors.
- (j) Rubber compound with braiding overall.
- (k) Thin tough rubber compound over conductors made up to a circular or oval section with hemp, cotton, or jute filling.

TABLE XVI.—SIZE OF EARTHING-LEAD IN METAL SHEATHED AND TOUGH RUBBER SHEATHED CABLES.

Size of Current-carrying Conductor.		Approximate Minimum Cross-sectional Area of Earthing-lead.	Minimum Number and Diameter (in.) of Wires forming Earthing-lead.			
Number and Diameter (in.) of Wires.	Nominal Cross-sectional Area.		Metal Sheathed Cables.		Tough Rubber Sheathed Cables.	
			Single-core.	Twin and Three-core.	Single-core.	Twin and Three-core.
1.	2.	3.	4.	5.	6.	7.
	Sq. in.	Sq. in.				
1/·044	0·0015	0·001	3/·020	1/·036	9/·012	9/·012
3/·029	0·002	0·001	3/·020	1/·036	9/·012	9/·012
3/·036	0·003	0·0015	5/·020	1/·044	14/·012	14/·012
7/·029	0·0045	0·0015	5/·020	1/·044	14/·012	14/·012
7/·036	0·007	0·0015	5/·020	1/·044	14/·012	14/·012
7/·044	0·01	0·0015	5/·020	1/·044	14/·012	14/·012
7/·052	0·0145	0·002	7/·020	1/·052	19/·012	7/·020
7/·064	0·0225	0·003	10/·020	1/·064	28/·012	10/·020
19/·044	0·03	0·004	13/·020	1/·072	37/·012	13/·020
19/·052	0·04	0·005	17/·020	1/·083	47/·012	17/·020
19/·064	0·06	0·005	17/·020	1/·083	47/·012	17/·020

(See Regulation 43-16 (1) (c).)

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