

TABLE IX.—INSULATION RESISTANCE OF CABLES.

Number and Diameter (Inches) of Wires comprising Conductor.	Nominal Area.	Minimum Insulation Resistance, Megohms for a Mile Length at 60° F.		
		Rubber-insulated Cables.		Paper-insulated Cables.
		600-megohm Grade.*	2,500-megohm Grade.†	
1.	2.	3.	4.	5.
	Sq. in.	Megohms.	Megohms.	Megohms.
1/.036	0.001	2,000	5,000	140
1/.044	0.0015	2,000	5,000	140
3/.029	0.002	1,250	4,500	140
3/.036	0.003	1,250	4,500	140
1/.064	0.003	2,000	5,000	140
7/.029	0.0045	1,250	4,500	140
7/.036	0.007	900	4,000	140
7/.044	0.01	900	4,000	140
7/.052	0.0145	900	4,000	140
7/.064	0.0225	900	3,500	130
19/.044	0.03	750	3,500	125
19/.052	0.04	750	3,000	115
19/.064	0.06	750	3,000	100
19/.072	0.075	600	3,000	85
19/.083	0.1	600	3,000	80
37/.064	0.12	600	3,000	75
37/.072	0.15	600	3,000	60
37/.083	0.2	600	2,500	55
37/.093	0.25	600	2,500	50
37/.103	0.3	600	2,500	50
61/.093	0.4	600	2,500	50
61/.103	0.5	600	2,500	45
91/.093	0.6	600	2,500	40
91/.103	0.75	600	2,500	40
127/.093	0.85	600	2,500	35
127/.103	1.0	600	2,500	35

* For (a) Direct-current systems for pressures not varying from earth potential by more than 250 volts; (b) three-phase systems, with centre point earthed, for pressures not more than 500 volts between phases.
 † For pressures not varying from earth potential by more than 650 volts.

TABLE X.—TEST PRESSURES FOR FLEXIBLE CORDS.

Kind.	Insulating Material.	Test Pressure and Frequency.	Nature of Test.*
1.	2.	3.	4.
High insulation ..	(a) Pure rubber .. (b) Pure and/or vulcanized-rubber (c) Homogeneous insulation	1,500 volts } at 25-100	Between conductors in dry state.
Medium insulation ..	(a) Pure rubber .. (b) Homogeneous insulation	1,000 volts } 1,500 volts }	

* Where a flexible cord has a covering purporting to be waterproof it shall be tested after twenty-four hours immersion in water.

TABLE XI.—INSULATION RESISTANCE OF FLEXIBLE CORDS HAVING VULCANIZED-RUBBER INSULATION.

Number and Diameter of Wires comprising Conductor.		Nominal Area.	Minimum Insulation Resistance, Megohms for a Mile Length at 60° F.	
0.0076-in.-diameter Wires.	0.012-in.-diameter Wires.		High Insulation.	Medium Insulation.
1.	2.	3.	4.	5.
		Sq. in.	Megohms.	Megohms.
14	—	0.0006	1,250	300
23	11	0.001	1,250	300
40	16	0.0017	1,250	300
70	28	0.003	1,250	300
110	44	0.0048	1,250	300
162	65	0.007	900	300