National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TIRUPATI PLASTOMATICS PRIVATE LIMITED (LAB DIVISION), B-141 A, ROAD NUMBER - 9D, V.K.I. AREA, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Ageing in Air Oven	IS 14255/ IS 10810 (Part 11)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Breaking Load of Messenger Wire	IS 14255/ IS 10810 (Part 2)
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Conductor Resistance	IS 14255/ IS 10810 (Part 5)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Elongation Test of Messenger Wire	IS 14255
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	High Voltage Test at Room Temperature	IS 14255/ IS 10810 (Part 45)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Insulation Resistance	IS 14255/ IS 10810 (Part 43)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Shrinkage Test	IS 14255/ IS 10810 (Part 12)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Tensile Strength and Elongation at Break	IS 14255/ IS 10810 (Part 7)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Tensile Strength for Aluminum Wires	IS 14255/ IS 10810 (Part 2)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Thickness of Insulation	IS 14255/ IS 10810 (Part 6)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for Working Voltages up to and including 1100 V	Wrapping Test for Aluminum Wires	IS 14255/ IS 10810 (Part 3)
12	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Breaking Load of Aluminium/ Steel Wires	IS 398 (Part 2)
13	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Breaking Load of Individual Wires	IS 398 (Part 4)
14	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Diameter of Aluminium & Steel Wire	IS 398 (Part 2)
15	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Diameter of Aluminum Alloy	IS 398 (Part 4)
16	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Ductility Test of Steel Wire	IS 398 (Part 2)
17	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Ductility Test of Steel Wire (Elongation Test)	IS 398 (Part 2)
18	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Ductility Test of Steel Wire (Torsion Test and Elongation Test)	IS 398 (Part 2)

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19	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Elongation Test	IS 398 (Part 4)
20	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Lay Ratio & Direction	IS 398 (Part 2)
21	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Lay Ratio & Direction	IS 398 (Part 4)
22	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Mass of Zinc Coating	IS 4826
23	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Resistance Test	IS 398 (Part 4)
24	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Resistance Test of Aluminium	IS 398 (Part 2)
25	ELECTRICAL- CABLES & WIRES	Aluminium Conductor Galvanized Steel Reinforced for Overhead Transmission Purpose	Wrapping Test for Aluminum/ Steel Wire	IS 398 (Part 2)
26	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Ductility Test of Steel Wire (Torsion Test and Elongation Test)	IS 398 (Part 5)
27	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Lay Ratio & Direction	IS 398 (Part 5)
28	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Mass of Zinc Coating	IS 4826
29	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Resistance Test	IS 398 (Part 5)
30	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Uniformity of Zinc Coating	IS 4826
31	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Visual Examination	IS 398 (Part 5)
32	ELECTRICAL- CABLES & WIRES	Aluminum Conductors, Galvanized Steel-Reinforced for Extra High Voltage above 400 kV	Wrapping Test for Aluminum/ Steel Wire	IS 398 (Part 5)
33	ELECTRICAL- CABLES & WIRES	Aluminum Stranded Conductor for Overhead Transmission Purpose	Breaking Load of Individual Wires	IS 398 (Part 2)
34	ELECTRICAL- CABLES & WIRES	Aluminum Stranded Conductor for Overhead Transmission Purpose	Diameter of Aluminium	IS 398 (Part 1)
35	ELECTRICAL- CABLES & WIRES	Aluminum Stranded Conductor for Overhead Transmission Purpose	Lay Ratio & Direction	IS 398 (Part 1)
36	ELECTRICAL- CABLES & WIRES	Aluminum Stranded Conductor for Overhead Transmission Purpose	Resistance Test of Aluminum	IS 398 (Part 1)

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37	ELECTRICAL- CABLES & WIRES	Aluminum Stranded Conductor for Overhead Transmission Purpose	Wrapping Test for Aluminum	IS 398 (Part 1)
38	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Ageing in Air Oven	IS 7098 (Part 2)/ IS 10810 (Part 11)
39	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Annealing Test for Copper Wire	IS 7098 (Part 2)/ IS 10810 (Part 1)
40	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Carbon Black Content for Polyethylene Sheath	IS 7098 (Part 2)/ IS 10810 (Part 32)
41	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Cold Bend Test	IS 7098 (Part 2)/ IS 10810 (Part 20)
42	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Conductor Resistance	IS 7098 (Part 2)/ IS 10810 (Part 5)
43	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Dielectric Power Factor Test as a Function of Temperature	IS 7098 (Part 2)/ IS 10810 (Part 48)
44	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Dielectric Power Factor Test as a Function of Voltage	IS 7098 (Part 2)/ IS 10810 (Part 48)
45	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Dimension for Armouring Material	IS 7098 (Part 2)/ IS 10810 (Part 36)
46	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Flame Retardant Test on Single Cable (Swidish Chimney)	IS 7098 (Part 2)/ IS 10810 (Part 61)
47	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Halogen Acid Gas Evolution	IS 7098 (Part 2)/ IS 10810 (Part 59)
48	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Heat Cycle Test	IS 7098 (Part 2)/ IS 10810 (Part 49)
49	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Heat Shock	IS 7098 (Part 2)/ IS 10810 (Part 14)
50	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	High Voltage Test (4 hour Test)	IS 7098 (Part 2)

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51	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	High Voltage Test at Room Temperature	IS 7098 (Part 2)/ IS 10810 (Part 45)
52	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Hot Deformation	IS 7098 (Part 2)/ IS 10810 (Part 15)
53	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Insulation Resistance (Volume Resistivity)	IS 7098 (Part 2)/ IS 10810 (Part 43)
54	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Loss of Mass Test	IS 7098 (Part 2)/ IS 10810 (Part 10)
55	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Mass of Zinc Coating	IS 7098 (Part 2)/ IS 10810 (Part 41)
56	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Resistance Test of Armour (Wires/ Strips)	IS 7098 (Part 2)/ IS 10810 (Part 42)
57	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Shrinkage Test	IS 7098 (Part 2)/ IS 10810 (Part 12)
58	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Smoke Density Rating	IS 7098 (Part 2)/ IS 13360 (Part 6, Section 9)
59	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Tensile Strength & Elongation at Break for Armouring Material	IS 7098 (Part 2)/ IS 10810 (Part 37)
60	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Tensile Strength and Elongation at Break on Insulation and Sheath	IS 7098 (Part 2)/ IS 10810 (Part 7)
61	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Tensile Strength for Aluminum Wires	IS 7098 (Part 2)/ IS 10810 (Part 2)
62	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Test for Eccentricity and Thickness of Insulation and Sheath/ Overall Dimensions	IS 7098 (Part 2)/ IS 10810 (Part 6)
63	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Test on Extruded Semi Conducting Screens-Test for Strip ability of Semiconducting Strippable Insulation Screen	IS 7098 (Part 2)

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64	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Thermal Ageing Test for Complete Cable	IS 7098 (Part 2)
65	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Thermal Stability	IS 7098 (Part 2)/ IS 10810 (Part 60)
66	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Torsion Test on Galvanized Steel Wire for Armouring	IS 7098 (Part 2)/ IS 10810 (Part 38)
67	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Uniformity of Zinc Coating	IS 7098 (Part 2)/ IS 10810 (Part 40)
68	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Winding/ Wrapping Test on Galvanized Steel Strip for Armouring	IS 7098 (Part 2)/ IS 10810 (Part 39)
69	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage from 3.3 kV up to and including 33 kV	Wrapping Test for Aluminum Wires	IS 7098 (Part 2)/ IS 10810 (Part 3)
70	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Ageing in Air Oven	IS 7098 (Part 1)/ IS 10810 (Part 11)
71	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Annealing Test for Copper Wire	IS 7098 (Part 1)/ IS 10810 (Part 1)
72	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Armour Coverage Percentage Test	IS 7098 (Part 1)
73	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Cold Bend Test	IS 10810 (Part 20)
74	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Conductor Resistance	IS 7098 (Part 1)/ IS 10810 (Part 5)
75	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Dimension for Armouring Material	IS 7098 (Part 1)/ IS 10810 (Part 36)
76	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Elongation at Break for Armouring Material	IS 7098 (Part 1)/ IS 10810 (Part 37)
77	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Flame Retardant Test on Single cable (Swidish Chimney)	IS 7098 (Part 1)/ IS 10810 (Part 61)

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78	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Halogen Acid Gas Evolution	IS 7098 (Part 1)/ IS 10810 (Part 59)
79	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Heat Shock	IS 7098 (Part 1)/ IS 10810 (Part 14)
80	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	High Voltage Test at Room Temperature	IS 7098 (Part 1)/ IS 10810 (Part 45)
81	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Hot Deformation	IS 7098 (Part 1)/ IS 10810 (Part 15)
82	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Loss of Mass Test	IS 7098 (Part 1)/ IS 10810 (Part 10)
83	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Mass of Zinc Coating	IS 7098 (Part 1)/ IS 10810 (Part 41)
84	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Resistance Test of Armour (Wires/ Strips)	IS 7098 (Part 1)/ IS 10810 (Part 42)
85	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Shrinkage Test	IS 7098 (Part 1)/ IS 10810 (Part 12)
86	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Smoke Density Rating	IS 7098 (Part 1)/ IS 13360 (Part 6, Section 9)
87	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Tensile Strength	IS 7098 (Part 1)/ IS 10810 (Part 37)
88	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Tensile Strength	IS 7098 (Part 1)/ IS 10810 (Part 7)
89	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Tensile Strength for Aluminum Wires	IS 7098 (Part 1)/ IS 10810 (Part 2)
90	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Thermal Stability	IS 7098 (Part 1)/ IS 10810 (Part 60)
91	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Thickness Test of Insulation and Sheath/ Overall Dimensions	IS 7098 (Part 1)/ IS 10810 (Part 6)

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92	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Torsion Test on Galvanized Steel Wire for Armouring	IS 7098 (Part 1)/ IS 10810 (Part 38)
93	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Uniformity of Zinc Coating	IS 7098 (Part 1)/ IS 10810 (Part 40)
94	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and Thermoplastic Sheathed Cable for Working Voltage up to and including 1100 V	Winding/ Wrapping Test on Galvanized Steel Strip for Armouring	IS 7098 (Part 1)/ IS 10810 (Part 39)
95	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires	Adhesion Test	IS 3975
96	ELECTRICAL- CABLES & WIRES	Polyethylene Insulation and Sheath of Electrical Cables	Anti Rodent & Anti Termite Test	AAI Specification 18.04
97	ELECTRICAL- CABLES & WIRES	Polyethylene Insulation and Sheath of Electrical Cables	Melt Flow Index	IS 10810 (Part 23)
98	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Additional Ageing	IS 694
99	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Ageing in Air Oven	IS 694/ IS 10810 (Part 11)
100	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Annealing Test for Copper Wire	IS 694/ IS 10810 (Part 1)
101	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Cold Bend Test	IS 694/ IS 10810 (Part 20)
102	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Conductor Resistance	IS 694/ IS 10810 (Part 5)
103	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Durability & Legibility of Marking	IS 694
104	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Elongation at Break on Insulation and Sheath	IS 694/ IS 10810 (Part 7)
105	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Halogen Acid Gas Evolution	IS 694/ IS 10810 (Part 59)

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106	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Heat Shock	IS 694/ IS 10810 (Part 14)
107	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	High Voltage Test (Water Immersion)	IS 694/ IS 10810 (Part 45)
108	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	High Voltage Test at Room Temperature	IS 694 / IS 10810 (Part 45)
109	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Hot Deformation	IS 694/ IS 10810 (Part 15)
110	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Insulation Resistance	IS 694/ IS 10810 (Part 43)
111	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Loss of Mass Test	IS 694/ IS 10810 (Part 10)
112	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Shrinkage Test	IS 694/ IS 10810 (Part 12)
113	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Smoke Density Rating	IS 694/ IS 13360 (Part 6, Section 9)
114	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Spark Test	IS 694/ IS 10810 (Part 44)
115	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Tensile Strength & Elongation Test of Insulation and Sheath	IS 694/ IS 10810 (Part 7)
116	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Tensile Strength for Aluminum Wires	IS 694/ IS 10810 (Part 2)
117	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Tensile Strength on Insulation and Sheath	IS 694/ IS 10810 (Part 7)
118	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Test for Thickness of Insulation and Sheath/ Overall Dimensions	IS 694/ IS 10810 (Part 6)
119	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Thermal Stability	IS 694/ IS 10810 (Part 60)

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120	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Thickness Test of Insulation Wire and Sheath/ Overall Dimensions	IS 694/ IS 10810 (Part 6)
121	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Wrapping Test for Aluminum Wires	IS 694/ IS 10810 (Part 3)
122	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Acid Gas Emission Test	IEC 60502-1/ IEC 60754-1
123	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Ageing in Air Oven	IEC 60502-1/ IEC 60811-401
124	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Cold Bend Test	IEC 60502-1
125	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Heat Shock	IEC 60502-1/ IEC/BSEN 60811 - 509
126	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Insulation Thickness/ Sheath	IEC 60502-1
127	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Loss of Mass Test	IEC 60502-1
128	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Pressure Test at High Temperature	IEC 60502-1
129	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Shrinkage Test	IEC 60502-1
130	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 1 kV to 3 kV	Tensile Strength & Elongation Test	IEC 60502-1
131	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Cold Bend Test	IEC 60502-2
132	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Conductor Resistance	IEC 60502-2/ IEC 60228
133	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Heat Shock	IEC 60502-2
134	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Heating Cycle Test	IEC 60502-2
135	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Insulation Thickness/ Sheath	IEC 60502-2
136	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Loss of Mass Test	IEC 60502-2
137	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Overall Diameter	IEC 60502-2

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138	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Pressure Test at High Temperature	IEC 60502-2
139	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Shrinkage Test	IEC 60502-2
140	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Tan Delta as a Function of Temperature	IEC 60502-2
141	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Tensile Strength & Elongation Test	IEC 60502-2
142	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Thermal Stability	IEC 60502-2
143	ELECTRICAL- CABLES & WIRES	Power Cable for Rated Voltage from 6 kV to 30 kV	Voltage Test for 4 Hours	IEC 60502-2
144	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Ageing in Air Oven	IS 1554 (Part 2)/ IS 10810 (Part 11)
145	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Annealing Test for Copper Wire	IS 1554 (Part 2)/ IS 10810 (Part 1)
146	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Armour Coverage Percentage Test	IS 1554 (Part 2)
147	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Cold Bend Test	IS 1554 (Part 2)/ IS 10810 (Part 20)
148	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Conductor Resistance	IS 1554 (Part 2)/ IS 10810 (Part 5)
149	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Dielectric Power Factor Test as a Function of Temperature	IS 1554 (Part 2)/ IS 10810 (Part 48)
150	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Dielectric Power Factor Test as a Function of Voltage	IS 1554 (Part 2)/ IS 10810 (Part 48)
151	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Dimension for Armouring Material	IS 1554 (Part 2)/ IS 10810 (Part 36)
152	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Flame Retardant Test on Single Cable (Swidish Chimney)	IS 1554 (Part 2)/ IS 10810 (Part 61)
153	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Halogen Acid Gas Evolution	IS 1554 (Part 2)/ IS 10810 (Part 59)
154	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Heat Cycle Test	IS 1554 (Part 2)/ IS 10810 (Part 49)
155	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Heat Shock	IS 1554 (Part 2)/ IS 10810 (Part 14)
156	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	High Voltage Test (4 Hour Test)	IS 1554 (Part 2)

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157	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	High Voltage Test at Room Temperature	IS 1554 (Part 2)/ IS 10810 (Part 45)
158	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Hot Deformation	IS 1554 (Part 2)/ IS 10810 (Part 15)
159	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Insulation Resistance	IS 1554 (Part 2)/ IS 10810 (Part 43)
160	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Loss of Mass Test	IS 1554 (Part 2)/ IS 10810 (Part 10)
161	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Mass of Zinc Coating	IS 1554 (Part 2)/ IS 10810 (Part 41)
162	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Resistance Test of Armour (Wires/ Strips)	IS 1554 (Part 2)/ IS 10810 (Part 42)
163	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Shrinkage Test	IS 1554 (Part 2)/ IS 10810 (Part 12)
164	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Smoke Density Rating	IS 1554 (Part 2)/ IS 13360 (Part 6, Section 9)
165	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Tensile Strength & Elongation at Break for Armouring Material	IS 1554 (Part 2)/ IS 10810 (Part 37)
166	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Tensile Strength and Elongation at Break on Insulation and Sheath	IS 1554 (Part 2)/ IS 10810 (Part 7)
167	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Tensile Strength for Aluminum Wires	IS 1554 (Part 2)/ IS 10810 (Part 2)
168	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Test for Thickness of Insulation and Sheath/ Overall Dimensions	IS 1554 (Part 2)/ IS 10810 (Part 6)
169	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Thermal Stability	IS 1554 (Part 2)/ IS 10810 (Part 60)
170	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Torsion Test on Galvanized Steel Wire for Armouring	IS 1554 (Part 2)/ IS 10810 (Part 38)
171	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Uniformity of Zinc Coating	IS 1554 (Part 2)/ IS 10810 (Part 40)
172	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Winding/ Wrapping Test on Galvanized Steel Strip for Armouring	IS 1554 (Part 2)/ IS 10810 (Part 39)
173	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages from 3.3 kV up to & including 33 kV	Wrapping Test for Aluminum Wires	IS 1554 (Part 2)/ IS 10810 (Part 3)
174	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Ageing in Air Oven	IS 1554 (Part 1)/ IS 10810 (Part 11)

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175	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Annealing Test for Copper Wire	IS 1554 (Part 1)/ IS 10810 (Part 1)
176	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Cold Bend Test	IS 1554 (Part 1)/ IS 10810 (Part 20)
177	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Conductor Resistance	IS 1554 (Part 1)/ IS 10810 (Part 5)
178	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Dimension for Armouring Material	IS 1554 (Part 1)/ IS 10810 (Part 36)
179	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Flame Retardant Test on Single Cable (Swidish Chimney)	IS 1554 (Part 1)/ IS 10810 (Part 61)
180	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Halogen Acid Gas Evolution	IS 1554 (Part 1)/ IS 10810 (Part 59)
181	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Heat Shock	IS 1554 (Part 1)/ IS 10810 (Part 14)
182	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	High Voltage Test (Water Immersion)	IS 1554 (Part 1)/ IS 10810 (Part 45)
183	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	High Voltage Test at Room Temperature	IS 1554 (Part 1)/ IS 10810 (Part 45)
184	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Hot Deformation	IS 1554 (Part 1)/ IS 10810 (Part 15)
185	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Insulation Resistance	IS 1554 (Part 1)/ IS 10810 (Part 43)
186	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Loss of Mass Test	IS 1554 (Part 1)/ IS 10810 (Part 10)
187	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Mass of Zinc Coating	IS 1554 (Part 1)/ IS 10810 (Part 41)
188	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Resistance Test of Armour (Wires/ Strips)	IS 1554 (Part 1)/ IS 10810 (Part 42)
189	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Shrinkage Test	IS 1554 (Part 1)/ IS 10810 (Part 12)
190	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Smoke Density Rating	IS 1554 (Part 1)/ IS 13360 (Part 6, Section 9)
191	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Tensile Strength & Elongation at Break for Armouring Material	IS 1554 (Part 1)/ IS 10810 (Part 37)
192	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Tensile Strength and Elongation at Break on Insulation and Sheath	IS 1554 (Part 1)/ IS 10810 (Part 7)

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193	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Tensile Strength for Aluminum Wires	IS 1554 (Part 1)/ IS 10810 (Part 2)
194	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Test for Thickness of Insulation and Sheath/ Overall Dimensions	IS 1554 (Part 1)/ IS 10810 (Part 6)
195	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Torsion Test on Galvanized Steel Wire for Armouring	IS 1554 (Part 1)/ IS 10810 (Part 38)
196	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Uniformity of Zinc Coating	IS 1554 (Part 1)/ IS 10810 (Part 40)
197	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Winding/ Wrapping Test on Galvanized Steel Strip for Armouring	IS 1554 (Part 1)/ IS 10810 (Part 39)
198	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to & including 1100 V	Wrapping Test for Aluminum Wires	IS 1554 (Part 1)/ IS 10810 (Part 3)