National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RAGHVENDRA CABLES AND WIRES PRIVATE LIMITED (LAB DIVISION), G-1/843, RIICO INDUSTRIAL AREA PHASE-III, SITAPURA, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11079 **Page No** 1 of 7

Validity 21/10/2022 to 20/10/2024 **Last Amended on** -

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 Cables for Working Voltages upto and including 1100 V	Ageing in Air Oven Test of XLPE Insulation	IS 14255 (Clause 10 c) ii), IS 10810 (Part 11)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Bending Test on Completed Cable	IS 14255 (Clause 10.4)
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Breaking Load of Messenger	IS 14255 (Clause 10 b) i)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Carbon Black Test	IS 14255 (Clause 10 c) vi) 1), IS 10810 (Part 32)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Conductor Resistance Test	IS 14255 (Clause 10 a) iii), IS 10810 (Part 5)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Elongation Test of Messenger	IS 14255 (Clause 10 b) ii)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Elongation Test of XLPE Insulation	IS 14255 (Clause 10 c) i), IS 10810 (Part 7)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	High Voltage (Room Temperature)	IS 14255 (Clause 10 g), IS 10810 (Part 45)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Hot Set Test of Insulation	IS 14255 (Clause 10 c) iii), IS 10810 (Part 30)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Insulation Resistance Test	IS 14255 (Clause 10 f), IS 10810 (Part 43)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Lay Ratio	IS 14255 (Clause 9.1)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Resistance Test of Messenger	IS 14255 (Clause 10 b) iii)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Shrinkage Test of XLPE Insulation	IS 14255 (Clause 10 c) iv), IS 10810 (Part 12)
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Tensile Test for Aluminium	IS 14255 (Clause 10 a) i), IS 10810 (Part 2)
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Tensile Test of XLPE Insulation	IS 14255 (Clause 10 c) i), IS 10810 (Part 7)
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Test of Thickness of Insulation	IS 14255 (Clause 10 e), IS 10810 (Part 6)
17	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Water Absorption (Gravimetric)	IS 14255 (Clause 10 c) v), IS 10810 (Part 33)
18	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working Voltages upto and including 1100 V	Wrapping Test for Aluminium	IS 14255 (Clause 10 a) ii), IS 10810 (Part 3)

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19	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Adhesion Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 3975
20	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Ageing in Air Oven Test of Sheath & Insulation	IS 7098 (Part 1, Clause 15.1 d) ii), IS 10810 (Part 11)
21	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Annealing Test for Copper	IS 7098 (Part 1, Clause 15.1 a) i), IS 10810 (Part 1)
22	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Armour Resistance	IS 7098 (Part 1, Clause 15.3 c), IS 10810 (Part 42)
23	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Armouring Coverage	IS 7098 (Part 1) Amendment 5, Appendix C
24	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Cold Bend Test	IS 7098 (Part 1, Clause 15.4 a), IS 10810 (Part 20)
25	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Cold Impact Test	IS 7098 (Part 1, Clause 15.4 b), IS 10810 (Part 21)
26	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Conductor Resistance Test	IS 7098 (Part 1, Clause 15.1 a) iv), IS 10810 (Part 5)
27	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Dimensions of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 36)
28	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Elongation of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 37)
29	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Elongation Test of Sheath & Insulation	IS 7098 (Part 1, Clause 15.1 d) i), IS 10810 (Part 7)
30	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Flammability Test	IS 7098 (Part 1, Clause 15.1 h), IS 10810 (Part 53)
31	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Heat Shock Test of Sheath	IS 7098 (Part 1, Clause 15.1 e) vi), IS 10810 (Part 14)
32	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Heat Shock Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 5), IS 10810 (Part 14)

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33	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	High Voltage (Room Temperature)	IS 7098 (Part 1, Clause 15.1 g), IS 10810 (Part 45)
34	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Hot Deformation Test of Sheath	IS 7098 (Part 1, Clause 15.1 e) v), IS 10810 (Part 15)
35	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Hot Set Test of Insulation	IS 7098 (Part 1, Clause 15.1 d) iii), IS 10810 (Part 30)
36	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Insulation Resistance Test	IS 7098 (Part 1, Clause 15.1 f), IS 10810 (Part 43)
37	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Loss of Mass Test of Sheath	IS 7098 (Part 1, Clause 15.1 e) iii), IS 10810 (Part 10)
38	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Mass of Zinc Coating of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 41)
39	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Resistance Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 42)
40	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Shrinkage Test of Sheath & Insulation	IS 7098 (Part 1, Clause 15.1 d) iv), IS 10810 (Part 12)
41	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Tensile Strength of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 37)
42	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Tensile Test for Aluminium	IS 7098 (Part 1, Clause 15.1 a) ii), IS 10810 (Part 2)
43	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Tensile Test of Sheath & Insulation	IS 7098 (Part 1, Clause 15.1 d) i), IS 10810 (Part 7)
44	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Test of Thickness of Sheath & Insulation/ Overall Dimensions	IS 7098 (Part 1, Clause 15.1 c), IS 10810 (Part 6)
45	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Thermal Stability Test of Sheath	IS 7098 (Part 1, Clause 15.1 e) vii), IS 10810 (Part 60)
46	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Torsion Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 38)

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47	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Uniformity of Zinc Coating of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 40)
48	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Water Absorption (Gravimetric)	IS 7098 (Part 1, Clause 15.1 d) v), IS 10810 (Part 33)
49	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Winding Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 39)
50	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Wrapping Test for Aluminium	IS 7098 (Part 1, Clause 15.1 a) iii) iii), IS 10810 (Part 3)
51	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working Voltages upto and including 1100 V	Wrapping Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 3975
52	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Additional Ageing Test (OU Cable Only)	IS 694 (Clause Table 1 iii) e) 6)
53	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Ageing in Air Oven Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 3), IS 10810 (Part 11)
54	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Annealing Test for Copper	IS 694 (Clause Table 1 iii) a) 1), IS 10810 (Part 1)
55	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Cold Bend Test	IS 694 (Clause Table 1 iii) c) 8), IS 10810 (Part 20)
56	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Cold Impact Test	IS 694 (Clause Table 1 iii) c) 9), IS 10810 (Part 21)
57	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Conductor Resistance Test	IS 694 (Clause Table 1 iii) a) 4), IS 10810 (Part 5)
58	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Durability & Legibility of Marking	IS 694 (Clause 11.1 & 11.2)
59	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Elongation Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 1), IS 10810 (Part 7)
60	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Flammability Test	IS 694 (Clause Table 1 iii) e) 5), IS 10810 (Part 53)

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61	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	High Voltage (Room Temperature)	IS 694 (Clause Table 1 iii) e) 4), IS 10810 (Part 45)
62	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	High Voltage (Water Immersion)	IS 694 (Clause Table 1 iii) e) 1), IS 10810 (Part 45)
63	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Hot Deformation Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 6), IS 10810 (Part 15)
64	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Insulation Resistance Test	IS 694 (Clause Table 1 iii) e) 3), IS 10810 (Part 43)
65	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Loss of Mass Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 2), IS 10810 (Part 10)
66	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Shrinkage Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 4), IS 10810 (Part 12)
67	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Tensile Test for Aluminium	IS 694 (Clause Table 1 iii) a) 2), IS 10810 (Part 2)
68	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Tensile Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 1), IS 10810 (Part 7)
69	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Test of Thickness of Sheath & Insulation/ Overall Dimensions	IS 694 (Clause Table 1 iii) b), IS 10810 (Part 6)
70	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Thermal Stability Test of Sheath & Insulation	IS 694 (Clause Table 1 iii) c) 7), IS 10810 (Part 60)
71	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/ Cords with Rigid & Flexible Conductor for Rated Voltage upto and including 1100 V	Wrapping Test for Aluminium	IS 694 (Clause Table 1 iii) a) 3), IS 10810 (Part 3)
72	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Adhesion Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 3975
73	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Ageing in Air Oven Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 2), IS 10810 (Part 11)
74	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Annealing Test for Copper	IS 1554 (Part 1, Clause 15 a) 1), IS 10810 (Part 1)
75	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Armour Resistance	IS 1554 (Part 1, Clause 15.4 c), IS 10810 (Part 42)

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76	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Armouring Coverage	IS 1554 (Part 1) Amendment 5, Appendix-C
77	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Cold Bend Test	IS 1554 (Part 1, Clause 15.4 a), IS 10810 (Part 20)
78	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Cold Impact Test	IS 1554 (Part 1, Clause 15.4 b), IS 10810 (Part 21)
79	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Conductor Resistance Test	IS 1554 (Part 1, Clause 15 a) 4), IS 10810 (Part 5)
80	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Dimensions of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 36)
81	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Elongation of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 37)
82	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Elongation Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 1), IS 10810 (Part 7)
83	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Flammability Test	IS 1554 (Part 1, Clause 15 h), IS 10810 (Part 53)
84	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Heat Shock Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 6), IS 10810 (Part 14)
85	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	High Voltage (Room Temperature)	IS 1554 (Part 1, Clause 15 g), IS 10810 (Part 45)
86	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	High Voltage(Water Immersion)	IS 1554 (Part 1, Clause 15 f), IS 10810 (Part 45)
87	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Hot Deformation Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 4), IS 10810 (Part 15)
88	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Insulation Resistance Test	IS 1554 (Part 1, Clause 15 e), IS 10810 (Part 43)
89	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Loss of Mass Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 5), IS 10810 (Part 10)
90	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Mass of Zinc Coting of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 41)
91	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Resistance Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 42)
92	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Shrinkage Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 3), IS 10810 (Part 12)
93	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Tensile Strength of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 37)
94	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Tensile Test for Aluminium	IS 1554 (Part 1, Clause 15 a) 2), IS 10810 (Part 2)

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95	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Tensile Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 1), IS 10810 (Part 7)
96	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Test of Thiknes of Sheath & Insulation/ Overall Dimensions	IS 1554 (Part 1, Clause 15 c), IS 10810 (Part 6)
97	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Thermal Stability Test of Sheath & Insulation	IS 1554 (Part 1, Clause 15 d) 7), IS 10810 (Part 60)
98	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Torsion Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 38)
99	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Uniformity of Zinc Coating of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 40)
100	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Winding Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 39)
101	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Wrapping Test for Aluminium	IS 1554 (Part 1, Clause 15 a) 3), IS 10810 (Part 3)
102	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltage upto 1100 V	Wrapping Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 3975
103	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Breaking Load of Individual Wires	IS 398 (Part 2, Clause 14.1 f)
104	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Diameter of Aluminium & Steel Wire	IS 398 (Part 2, Clause 14.1 d)
105	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Ductility Test (Torsion & Elongation Test)	IS 398 (Part 2, Clause 14.1 g)
106	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Galvanizing Test of Steel (Uniformity of Zinc Coating & Mass of Zinc Coating)	IS 398 (Part 2, Clause 14.1 k)/ IS 4826
107	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Measurement of Lay Ratio/ Direction	IS 398 (Part 2, Clause 14.1 e)
108	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Resistance Test of Aluminium Wire	IS 398 (Part 2, Clause 14.1 j)
109	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductors for Overhead Transmission Purposes (ACSR)	Wrapping Test	IS 398 (Part 2, Clause 14.1 h)