National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SVARN INFRATEL PVT. LTD. (LAB DIVISION), 74TH MILESTONE DELHI MATHURA ROAD, PALWAL, HARYANA, 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 Cables for working voltages upto and including 1100V	Ageing in Air Oven	IS 14255, IS 10810 (Pt-11)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Bending Test	CL. 11.4 of IS 14255
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Breaking load (Messenger Conductor)	IS 14255, IS 10810 (Pt-2)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Conductor Resistance(Drain Wire/Armour/Metal Screen)	IS 14255,IS 10810 (Pt-5)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Elongation of Insulation & Sheath	IS 14255,IS 10810 (Pt-7)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Elongation on messenger Conductor	Clause- 11.3 of IS 14255
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	High Voltage at Room Temperature	IS 14255,IS 10810 (Pt-45)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Hot Set for XLPE	IS 14255,IS 10810 (Pt-30)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Insulation Resistance (Volume Resistivity Test	IS 14255, IS 10810 (Pt-43)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Shrinkage Test	IS 14255, IS 10810 (Pt-12)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Tensile (Aluminium)	IS 14255, IS 10810 (Pt-2)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Tensile Strength of Insulation & Sheath	IS 14255, IS 10810 (Pt-7)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Thickness of insulation & Sheath & Measurement of overall dia	IS 14255, IS 10810 (Pt-6)
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Water Absorption on XLPE (Gravimetric)	IS 14255, IS 10810 (Pt-33)
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Water Immersion(High Voltage)	Clause 16.3 of IS 1554 (Pt-1)
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages upto and including 1100V	Wrapping(Aluminium)	IS 14255, IS 10810 (Pt-3)
17	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Adhesion of Armour	IS 7098 (Part 1), IS 3975

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18	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Ageing in air oven	IS 7098 (Part 1), IS 10810 (Pt-11)
19	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Anealing (Copper)	IS 7098 (Part-1), IS 10810 (Pt-1)
20	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Annealing (Copper)	IS 7098 (Part 1), IS 10810 (Pt-1)
21	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Armour Dimensions	IS 7098 (Part-1), IS 10810 (Pt-36)
22	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Armour Resistance(Resistivity)	IS 7098 (Part-1), IS 10810 (Pt-42)
23	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Cold Bend Test	IS 7098 (Part-1), IS 10810 (Pt-20)
24	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Cold Impact Test	IS 7098 (Part-1), IS 10810 (Pt-21)
25	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Conductor Resistance (Drain Wire/Armour/Metal Screen)	IS 7098 (Part-1), IS 10810 (Pt-5)
26	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Elongation of Armour	IS 7098 (Part-1), IS 10810 (Pt-37)
27	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Elongation of Insulation & Sheath	IS 7098 (Part-1), IS 10810 (Pt-7)
28	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Flame Retardance on bunched cable	IS 7098 (Part-1), IEC 60332 (Pt-3)
29	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Flame retardance test on single cable	IS 7098 (Part-1)
30	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Halogen Acid Gas Evolution / Corrosive & halogen acid gas	IS 7098 (Part-1), IS 10810 (Pt-59)
31	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Heat Shock	IS 7098 (Part-1), IS 10810 (Pt-14)

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32	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	High Voltage at room temp.	IS 7098 (Part-1), IS 10810 (Pt-45)
33	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Hot Deformation/Pressure	IS 7098 (Part-1), IS 10810 (Pt-15)
34	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Hot Set for XLPE	IS 7098 (Part-1), IS 10810 (Pt-30)
35	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Insulation Resistance (Volume Resistivity Test)	IS 7098 (Part-1)
36	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Loss of mass	IS 7098 (Part-1), IS 10810 (Pt-10)
37	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Mass of Zinc Coating	IS 7098 (Part-1), IS 10810 (Pt-41)
38	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Oxygen Index	IS 7098 (Part-1), IS 10810 (Pt-58)
39	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Shrinkage	IS 7098 (Part-1), IS 10810 (Pt-12)
40	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Smoke density	IS 7098 (Part-1), ASTM D 2843
41	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Spark Test	IS 7098 (Part-1), IS 10810 (Pt-44)
42	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Temperature Index	IS 7098 (Part-1), IS 10810 (Pt-64)
43	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Tensile Strength & elongation of Insulation & Sheath	IS 7098 (Part-1), IS 10810 (Pt-7)
44	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Tensile Strength (Aluminium)	IS 7098 (Part-1), IS 10810 (Pt-2)
45	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Tensile Strength of Armour	IS 7098 (Part-1), IS 10810 (Pt-37)

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46	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Test under Fire Conditions/ Flammability Test	IS 7098 (Part-1), IS 10810 (Pt-53)
47	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Thermal Stability	IS 7098 (Part-1)
48	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Torsion of wire	IS 7098 (Part-1), IS 10810 (Pt-38)
49	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Uniformity of Zinc Coating	IS 7098 (Part-1), IS 10810 (Pt-40)
50	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Water Absorption on XLPE (Gravimetric)	IS 7098 (Part-1), IS 10810 (Pt-33)
51	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Winding on Strip	IS 7098 (Part-1), IS 10810 (Pt-39)
52	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Wrapping Test (Aluminium)	IS 7098 (Part-1), IS 10810 (Pt-3)
53	ELECTRICAL- CABLES & WIRES	Electric cables for working voltages upto 1100	Flame retardance test on single cable	IS 1554 (Part-1), IS 10810 (Pt-61)
54	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Ageing in air oven	IS 694, IS 10810 (Pt-11)
55	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Annealing (copper)	IS 694, IS 10810 (Pt-1)
56	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Cold bend Test	IS 694, IS 10810 (Pt-20)
57	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Cold impact Test	IS 694, IS 10810 (Pt-21)
58	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Conductor Resistance	IS 694, IS 10810 (Pt-5)
59	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Durability and Legibility of Marking	Clause-11.1, 11.2 of IS 694

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60	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Elongation at break on Insulation and Sheath	IS 694, IS 10810 (Pt-7)
61	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Halogen Acid Gas Evolution / Corrosive & halogen acid gas	IS 694, IS 10810 (Pt-59)
62	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Heat shock Test	IS 694, IS 10810 (Pt-14)
63	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	High Voltage test (Water immersion)	Clause 10.1 of IS 694
64	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	High Voltage test at room temperature	IS 694, IS 10810 (Pt-45)
65	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Hot deformation test / Pressure Test at High Temperature	IS 694, IS 10810 (Pt-15)
66	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Loss of mass	IS 694, IS 10810 (Pt-10)
67	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Oxygen Index	IS 694, IS 10810 (Pt-58)
68	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Shrinkage Test	IS 694, IS 10810 (Pt-12)
69	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Smoke density	IS 694, ASTM D 2843
70	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Spark Test	IS 694, IS 10810 (Pt-44)
71	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Temperature Index	IS 694, IS 10810 (Pt-64)
72	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Temperature Index Test	IS 694, ASTM D 2863
73	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Tensile strength at break on Insulation and Sheath	IS 694, IS 10810 (Pt-7)

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74	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Tensile Test (for Aluminium)	IS 694, IS 10810 (Pt-2)
75	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Test for overall dimensions and Thickness of insulation & Sheath	IS 694, IS 10810 (Pt-6)
76	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Test under Fire Conditions/ Flammability Test	IS 694, IS 10810 (Pt-53)
77	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Test under fire Conditions/ Flammablity Test	IS 694, IEC 60332 (Pt-1)
78	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Thermal Stability	IS 694, IS 10810 (Pt-60)
79	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Thickness of insulation & Sheath & Measurement of overall dia	IS 7098 (Part-1), IS 10810 (Pt-6)
80	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages upto and including 1100V	Wrapping Test (for Aluminum)	IS 694, IS 10810 (Pt-3)
81	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100	Flame Retardance on bunched cable	IS 1554 (Part-1), IEC 60332 (Pt-3)
82	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100	Insulation Resistance (Volume Resistivity Test)	IS 1554 (Part-1), IS 10810 (Pt-43)
83	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100	Smoke Density	IS 1554 (Part-1), ASTM D 2843
84	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100	Tensile(Aluminium)	IS 1554 (Part-1), IS 10810 (Pt-2)
85	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100	Test under Fire Conditions/ Flammability Test	IS 1554 (Part-1), IS 10810 (Pt-53)
86	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100	Thermal Stability	IS 1554 (Part-1), IS 10810 (Pt-60)
87	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Adhesion of Armour	IS 1554 (Part-1), IS 3975
88	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Ageing in air oven	IS 1554 (Part 1), IS 10810 (Pt-11)
89	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Annealing (Copper)	IS 1554 (Part 1):, IS 10810 (Pt-1)

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90	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Armour Resistance (Resistivity)	IS 1554 (Part 1), IS 10810 (Pt-42)
91	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Cold Bend Test	IS 1554 (Part 1), IS 10810 (Pt-20)
92	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Cold Impact Test	IS 1554 (Part-1), IS 10810 (Pt-21)
93	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Conductor Resistance(Drain Wire/Armour/Metal Screen)	IS 1554 (Part-1), IS 10810(Pt-5)
94	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Dimensioning of Armouring material	IS 1554 (Part-1), IS 10810 (Pt-36)
95	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Elongation of Armour	IS 1554 (Part-1), IS 10810 (Pt-37)
96	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Elongation of Insulation & Sheath	IS 1554 (Part-1), IS 10810 (Pt-7)
97	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	HCL acid gas generation	IS 1554 (Part-1), IS 10810 (Pt-59)
98	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Heat Shock	IS 1554 (Part-1), IS 10810 (Pt-14)
99	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	High Voltage at Room Temperature	IS 1554 (Part-1), IS 10810 (Pt-45)
100	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Hot Deformation/Pressure	IS 1554 (Part-1), IS 10810 (Pt-15)
101	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Loss of Mass	IS 1554 (Part-1), IS 10810 (Pt-10)
102	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Mass of Zinc Coating	IS 1554 (Part-1), IS 10810 (Pt-41)
103	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Oxygen Index Test	IS 1554 (Part-1), IS 10810 (Pt-58)
104	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Shrinkage	IS 1554 (Part-1), IS 10810 (Pt-12)
105	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Spark Test	IS 1554 (Part-1), IS 10810 (Pt-44)
106	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Temperature Index Test	IS 1554 (Part-1), IS 10810 (Pt-64)
107	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Tensile Strength of Armour	IS 1554 (Part-1), IS 10810 (Pt-37)
108	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Tensile Strength of Insulation & Sheath	IS 1554 (Part-1), IS 10810 (Pt-7)

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109	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Thickness of insulation & Sheath & Measurement of overall dia	IS 1554 (Part-1), IS 10810 (Pt-6)
110	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Torsion of Wire	IS 1554 (Part-1), IS 10810 (Pt-38)
111	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Uniformity of Zinc Coating	IS 1554 (Part-1), IS 10810 (Pt-40)
112	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Water Immersion(High Voltage)	Clause 16.3 of IS 1554 (Part-1)
113	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Winding/ Wrapping Test on Galvanized steel strip for Armouring	IS 1554 (Part-1), IS 10810 (Pt-39)
114	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto 1100V	Wrapping(Aluminium)	IS 1554 (Part-1), IS 10810 (Pt-3)
115	ELECTRICAL- CABLES & WIRES	Test Method for Measuring the Oxygen Index	Oxygen Index Test	ASTM D2863-17a
116	ELECTRICAL- CABLES & WIRES	Test Method to determine density of smoke from the burning or decomposition of plastics	Smoke Density	ASTM D2843
117	ELECTRICAL- CABLES & WIRES	Test Method to determine the amount of Halogen Acid Gas evolved during combustion of polymeric material taken from Cables	HCL acid gas generation	IEC 60754(Part-1)