National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, KWALITY CABLE INDIA, C-153, SECTOR-5, DSIIDC, BAWANA, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11442 **Page No** 1 of 9

Validity 14/03/2023 to 13/03/2025 **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 up to and including 1100 Volts.	Ageing Test in Air Oven of Insulation and sheath	IS 14255 + AMD 1 Cl. no. 10.1.c.ii, 10.2.g & 10.1.c.i, IS 5831, IS 10810 (Part 11)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Bending Test	IS 14255 + AMD 1 Cl. No. 10.4, 11.4,IS 10810 (Part 50): 1984
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Breaking load for main & messenger Conductor	IS 14255 + AMD 1 Cl. no.10.1.a.i & 10.2.a (Table 3), IS 10810 (Part 2)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Conductor Resistance Test	IS 14255 + AMD 1 Cl no. 10.3.a, 10.2.e, 10.1.a.iii & 10.1.b.iii, IS 8130, IS 10810 (Part 5)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Elongation test	IS 14255 + AMD 1 Cl. no. 10.1.b.ii, 10.2.d & 11.3, IS 10810 (Part 2)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	High Voltage Test	IS 14255 + AMD 1 Cl. no. 10.1.g, 10.2.k, 10.3.b, 11.2 & 15.1.g, IS 10810 (Part 45)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Hot set test	IS 14255 + AMD 1 Cl. no. 10.1.c.iii & 10.2.h, IS 10810 (Part 30)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Insulation resistance (volume resistivity test)	IS 14255 + AMD 1 Cl. no. 10.2.j & 10.1.f, IS 5831, IS 10810 (Part 43)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Shrinkage Test	IS 14255 + AMD 1 Cl. no. 10.1.c.iv, IS 5831, IS 10810 (Part 12)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Tensile strength & elongation of PE outer sheath before & after ageing	IS 14255 + AMD 1 Cl. no. 10.1.d.i (Table 2), IS 10810 (Part 7)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Tensile strength and elongation at break	IS 14255 + AMD 1 Cl. no. 10.1.c.i, 10.2.g & 10.1.c.ii (Table 1), IS 5831, IS 10810 (Part 7)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Tensile strength test	IS 14255 + AMD 1 Cl. no. 10.1.a.i & 10.2.a (Table 3), IS 8130, IS 10810 (Part 2)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Test for thickness insulation	IS 14255 + AMD 1 Cl. no. 10.2.f & 10.1.e (Table 4), IS 10810 (Part 8)

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14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Test for thickness insulation	IS 14255 + AMD 1 Cl. no.10.2.f & 10.1.e (Table 4), IS 10810 (Part 8)
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Water absorption (gravimetric)	IS 14255 + AMD 1 Cl. no. 10.1.c.iv, IS 5831, IS 5831 + AMD 2 (Table 1 Sr. no. xv), IS 10810 (Part 33) + AMD 2
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working Voltages up to and including 1100 Volts.	Wrapping Test	IS 14255 + AMD 1 Cl no. 10.1.a.ii & 10.2.b, IS 8130, IS 10810 (Part 3)
17	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Cold Bend	IS 7098 (Part 1) + AMD 5 Cl. no. 15.4.a, IS 5831 + A1 & A2 (Table 1(ix) & Table 2(vii)), IS 10810 (Part 20)
18	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Cold Impact	IS 7098 (Part 1) + AMD 5 Cl. no. 15.4.b, IS 5831 + A1 & A2 (Table 2(viii)), IS 10810 (Part 21)
19	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Heat Shock on PVC sheaths (resistance of PVC sheaths to cracking)	IS 7098 (Part 1) + AMD 5 Cl. no. 15.1.e.vi, IS 5831 + A1 & A2 (Table 2(v)), IS 10810 (Part 14)
20	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Heat Shock Test on Sheath	IS 7098 Cl. no. 15.1.e.vi (Part 1), IS 5831 + A1 & A2 (Table 2(v)), IS 10810 (Part 14)
21	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	High Voltage	IS 7098 (Part 1) + AMD 5 Cl. no. 16.2, 15.3.b, 15.2.h & 15.1.g, IS 10810 (Part 45)
22	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Hot Deformation Test	IS 7098 (Part 1) + AMD 5 C. no. 15.1.e.v, IS 5831 + A1 & A2 (Table 2(iv)), IS 10810 (Part 15)
23	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Hot Set	IS 7098 (Part 1) + AMD 5 Cl. no. 15.1.d.iii, 15.2.f (Table 1), IS 10810 (Part 30)
24	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Temperature Index Test	IS 7098 (Part 1) + AMD 5 Cl. no. 16.14 & 15.1.1
25	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Uniformity of Zinc coating	IS 7098 (Part 1) + AMD 5 Cl. no. 13.6.e & 15.1.b, IS 3975 Cl. no. 9.2.a & b, IS 10810 (Part 40)

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26	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Winding on Galvanized strip for armouring	IS 7098 (Part 1) + AMD 5 Cl. no.13.6 d & 15.1.b, IS 3975 Cl. no. 9.4, IS 10810 (Part 39)
27	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts	Wrapping on Aluminium	IS 7098 (Part 1) + AMD 5 Cl. no. 15.2.c, 15.1.a.iii, IS 8130 + AMD 1 Cl. no. 7.2.2, IS 10810 (Part 3)
28	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Annealing test for wires used in conductors	IS 7098 (Part 1) + AMD 5 Cl. no. 15.1.a.i & 15.2 a, IS 8130 + AMD 1 Cl. no. 7.1.2, IS 10810 (Part 1)
29	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Conductor Resistance	IS 7098 (Part 1) + AMD 5 Cl. no.15.3 a, 15.2d & 15.1.a iv, IS 8130 + AMD 1 Cl. no. 7.3, IS 10810 (Part 5)
30	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Dimensions of armour Wire / Strip	IS 7098 (Part 1) + AMD 5 Cl. no. 13.3 & 15.1.b, IS 3975 Cl. no. 7.2 (Table 3) & Cl. no. 7.3 (Table 4), IS 10810 (Part 36)
31	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Elongation on Insulaton and Sheath (After Ageing)	IS 7098 (Part 1) + AMD 5 (Table 1, Sr. no. iii.c), IS 5831 + A1 & A2 (Table 1(iv.c.1)), IS 10810 (Part 7), IS 10810 (Part 11)
32	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Elongation on Insulaton and Sheath	IS 7098 (Part 1) + AMD 5 (Table 1 Sr. no. i), IS 5831 + A1 & A2 (Table 1(iii.b)), IS 10810 (Part 7)
33	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Flame retardant on single cable	IS 7098 (Part 1) + AMD 5 Cl. no. 16.10, IS 10810 (Part 61)
34	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Flammability	IS 7098 (Part 1) + AMD 5 Cl. no. 16.3 & 15.1.h, IS 10810 (Part 53)
35	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	HCL acid gas emission	IS 7098 (Part 1) + AMD 5 Cl. no. 16.13 & 15.1.1, IS 10810 (Part 59)
36	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Loss of mass on PVC outer sheath of type ST2	IS 7098 (Part 1) + AMD 5 Cl. no. 15.1.e.iii, IS 5831 + A1 & A2 (Table 1(v)), IS 10810 (Part 10)
37	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Mass of zinc coating of Armour	IS 7098 (Part 1) + AMD 5 Cl. no. 13.6 f & 15.1.b, IS 10810 (Part 41)

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38	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Oxygen Index Test	IS 7098 (Part 1) + AMD 5 Cl. no. 16.9 & 15.1.1, IS 10810 (Part 58)
39	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Shrinkage test on Insulation	IS 7098 (Part 1) + AMD 5 C. no. 15.1.e.iv, IS 10810 (Part 12)
40	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Shrinkage test on Sheath	IS 7098 (Part 1) + AMD 5 Cl no. 15.1.e.iv, IS 5831 + A1 & A2 (Table 1(viii) & 2(vi)), IS 10810 (Part 12)
41	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile & elongation at break of armour	IS 7098 (Part 1) + AMD 5 Cl. no. 13.6.a & b, 15.1.b, IS 3975 Cl. no. 8 (Table 5), IS 10810 (Part 37)
42	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile on Aluminium	IS 7098 (Part 1) + AMD 5 Cl. no. 15.2 b & 15.1.a.ii, IS 8130 + AMD 1 Cl. no. 7.2.1, IS 10810 (Part 2)
43	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile test on Insulation and Sheath (After Ageing)	IS 7098 (Part 1) + AMD 5 (Table 1, Sr. no. iii.b), IS 5831 + A1 & A2 (Table 1(iv.b.1)), IS 10810 (Part 7), IS 10810 (Part 11)
44	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile test on Insulation and Sheath	IS 7098 (Part 1) + AMD 5 (Table 1, Sr. no. i), IS 5831 + A1 & A2 (Table 1(iii.a)), IS 10810 (Part 7)
45	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Thermal stability of PVC	IS 7098 (Part 1) + AMD 5 Cl. no.15.1.e.vii, IS 5831 + A1 & A2 (Table 2(xi)), IS 10810 (Part 60)
46	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Thickness of Insulation , Over sheath (Outer sheath) & Inner Sheath	IS 7098 (Part 1) + AMD 5 Cl. no. 9, 12, 14, 15.1.c & 15.2.e, IS 10810 (Part 6)
47	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	TORSION TEST FOR ROUND WIRES	IS 7098 (Part 1) + AMD 5 Cl. no. 13.6 c & 15.1.b, IS 3975 Cl. no. 8.2 (Table 6), IS 10810 (Part 38)
48	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Water Absorption on Insulation (Gravimetric)	IS 7098 (Part 1) + AMD 5 (Table 1, 15.1.d.v), IS 10810 (Part 33)

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49	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Ageing in Air Oven	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.2, IS 5831 + A1 & A2 (Table 1(iv) & Table 2(ii)), IS 10810 (Part 11)
50	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Cold Bend	IS 1554 (Part 1) + AMD 5 Cl. no. 15.4.a, IS 5831 + A1 & A2 (Table 1(ix), Table 2(vii)), IS 10810 (Part 20)
51	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Cold Impact	IS 1554 (Part 1) + AMD 5 Cl. no. 15.4.b, IS 5831 + A1 & A2 (Table 1(x), Table 2(viii)), IS 10810 (Part 21)
52	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Conductor Resistance	IS 1554 (Part 1) + AMD 5 Cl no. 15.1.a.4, 15.2d & 15.3 a, IS 8130 + AMD 1 Cl No. 7.3, IS 10810 (Part 5)
53	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Dimensions of armour Wire / Strip	IS 1554 (Part 1) + AMD 5 Cl. no. 13.3, 15.1.b (Table 5), IS 3975 Cl. no. 7.2 (Table 3) & Cl. no. 7.3 (Table 4), IS 10810 (Part 36)
54	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Elongation of Insulation and Sheath (after Ageing)	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.1, IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i)), IS 10810 (Part 7), IS 10810 (Part 11)
55	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Elongation of Insulation and Sheath	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.1, IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i)), IS 10810 (Part 7)
56	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Flame retardant on single cable	IS 1554 (Part 1) + AMD 5 Cl No. 16.6 & 15.1.1, IS 10810 (Part 61)
57	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Flammability	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.h & 16.4, IS 10810 (Part 53)
58	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	HCL acid gas emission	IS 1554 (Part 1) + AMD 5 Cl. No. 16.9 & 15.1.1, IS 10810 (Part 59)
59	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Heat Shock on PVC sheaths (resistance of PVC sheaths to cracking)	IS 1554 (Part 1) + AMD 5 Cl No. 15.1.d.6, IS 5831 + A1 & A2 (Table 1(vii) & Table 2(v)), IS 10810 (Part 14)

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60	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	High Voltage (Water Immersion) AC	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.f & 16.3, IS 10810 (Part 45)
61	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	High Voltage (Water Immersion) DC	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.f & 16.3, IS 10810 (Part 45)
62	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	High Voltage	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.g, 15.2.h, 15.3.b & 16.2, IS 10810 (Part 45)
63	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Hot Deformation Test	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.4, IS 5831 + A1 & A2 (Table 1(vi), Table 2(iv)), IS 10810 (Part 15)
64	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Mass of zinc coating of Armour	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.b, IS 3975 Cl. no. 9.1, IS 4826 (Table 2), IS 10810 (Part 41)
65	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Oxygen Index Test	IS 1554 (Part 1) + AMD 5 Cl. no. 16.5, 15.1.1, ASTM D2863, IS 10810 (Part 58)
66	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Shrinkage test on Insulation and Sheath	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.3, IS 5831 + A1 & A2 (Table 1(viii) & Table 2(vi)), IS 10810 (Part 12)
67	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Temperature Index Test	IS 1554 (Part 1) + AMD 5 Cl. no. 16.10 & 15.1.1, ASTM D2863
68	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Tensile & elongation at break of armour	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.b, IS 3975 Cl. no. 8 (Table 5), IS 10810 (Part 37)
69	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Tensile of Insulation and Sheath (after Ageing)	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.1, IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i)), IS 10810 (Part 7), IS 10810 (Part 11)
70	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Tensile of Insulation and Sheath	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.1, IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i)), IS 10810 (Part 7)
71	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Tensile on Aluminium	IS 1554 (Part 1)+ AMD 5 Cl. no. 15.1.a.2, 15.2 b, IS 8130 + AMD 1 Cl. no. 7.2.1, IS 10810 (Part 2)

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72	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Thermal Stability of PVC Insulation and Sheath	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.7, IS 5831 + A1 & A2 (Table 1(xiii) & Table 2(xi)), IS 10810 (Part 60)
73	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Thickness of Insulation , Over sheath (Outer sheath) & Inner Sheath	IS 1554 (Part 1) + AMD 5 Cl. no. 9, 12, 14, 15.1.c & 15.2.e, IS 10810 (Part 6)
74	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Torsion Test for Round Wires	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.b, IS 3975 Cl. no. 8.2 (Table 6), IS 10810 (Part 38)
75	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Uniformity of Zinc coating	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.b, IS 3975 Cl. no. 9.2.a & b, IS 10810 (Part 40)
76	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Winding on Galvanized strip for armouring	IS 1554 (Part 1) + AMD 5 Cl no. 15.1.b, IS 3975 Cl. no. 9.4, IS 10810 (Part 39)
77	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts	Wrapping on Aluminium	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.a.3 & 15.2 c, IS 8130 + AMD 1 Cl. No. 7.2.2, IS 10810 (Part 3)
78	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Annealing test for wires used in conductors	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.a.1 & 15.2a, IS 8130 + AMD 1 Cl. no. 7.1.2, IS 10810 (Part 1)
79	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Loss of Mass Test	IS 1554 (Part 1) + AMD 5 Cl. no. 15.1.d.5, IS 5831 + A1 & A2 (Table 1(v) & Table 2(iii)), IS 10810 (Part 10)
80	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volt	Annealing test for wires used in conductors	IS 694 (Table 1(iii), a(1)), IS 8130 + AMD 1 Cl. No. 7.1.2, IS 10810 (Part 1)
81	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Cold Bend Test	IS 694 (Table 1(iii), c(8)), IS 5831 + A1 & A2 (Table 1(ix), Table 2(vii)), IS 10810 (Part 20)
82	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Cold Impact Test	IS 694 (Table 1(iii), c(a)), IS 5831 + A1 & A2 (Table 1(x), Table 2(viii)), IS 10810 (Part 21)
83	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Conductor Resistance	IS 694 Cl No. 4.2, IS 8130 + AMD 1 Cl No. 7.3, IS 10810 (Part 5)

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY, KWALITY CABLE INDIA, C-153, SECTOR-5, DSIIDC, BAWANA, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11442	**Page No**	8 of 9
Validity	14/03/2023 to 13/03/2025	**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
84	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Elongation of Insulation and Sheath (after Ageing)	IS 694 (Table 1(iii), c(1) & d(1)), IS 5831 + A1 & A2 (Table 1(iv) & Table 2(ii)), IS 10810 (Part 7), IS 10810 (Part 11)
85	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Elongation of Insulation and Sheath	IS 694 (Table 1(iii), c(1) & d(1)), IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i), IS 10810 (Part 7)
86	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Flammability Test	IS 694 Cl no. 10.4, IS 10810 (Part 53)
87	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	HCL acid gas emission	IS 694 Cl no. 10.6, IS 10810 (Part 59)
88	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Heat Shock Test	IS 694 (Table 1(iii), C(5)), IS 5831 + A1 & A2 (Table 1(vii), Table 2(v)), IS 10810 (Part 14)
89	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	High Voltage (Water Immersion) Test (DC)	IS 694 Cl no. 10.1, IS 10810 (Part 45)
90	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	High Voltage Test	IS 694 Cl no. 10.2, IS 10810 (Part 45)
91	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Hot Deformation Test	IS 694 (Table 1(iii), c(6)), IS 5831 + A1 & A2 (Table 1(vi), Table 2(iv)), IS 10810 (Part 15)
92	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Loss of Mass Test	IS 694 Cl no. 15.1 (Table 1(iii), c(2)), IS 5831 + A1 & A2 (Table 1(v), Table 2(iii)), IS 10810 (Part 10)
93	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Oxygen Index Test	IS 694 Cl no. 10.5, ASTM D2863, IS 10810 (Part 58)
94	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Shrinkage test on Insulation and Sheath	IS 694 (Table 1(iii), c(4)), IS 5831 + A1 & A2 (Table 1(viii), Table 2(vi)), IS 10810 (Part 12)
95	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Temperature Index Test	IS 694 Cl no. 10.7, IS 10810 (Part 64)

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY, KWALITY CABLE INDIA, C-153, SECTOR-5, DSIIDC, BAWANA, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11442	**Page No**	9 of 9
Validity	14/03/2023 to 13/03/2025	**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
96	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Tensile of Insulation and Sheath (after Ageing)	IS 694 (Table 1(iii), c(1) & d(1)), IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i)), IS 10810 (Part 7), IS 10810 (Part 11)
97	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Tensile of Insulation and Sheath	IS 694 (Table 1(iii), c(1) & d(1)), IS 5831 + A1 & A2 (Table 1(iii) & Table 2(i)), IS 10810 (Part 7)
98	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Tensile on Aluminium	IS 694 (Table 1(iii), a(2)), IS 8130 + AMD 1 Cl. no. 7.2.1, IS 10810 (Part 2)
99	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Thermal Stability of PVC Insulation and Sheath	IS 694 (Table 1(iii), c(7)), IS 5831 + A1 & A2 (Table 1(xiii), Table 2(xi)), IS 10810 (Part 60)
100	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Thickness of Insulation , Over sheath (Outer sheath) & Inner Sheath	IS 694 (Table 3 to 10), IS 10810 (Part 6)
101	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts	Wrapping Test (for Aluminum)	IS 694 (Table 1(iii), a(3)), IS 8130 + AMD 1 Cl. No. 7.2.2, IS 10810 (Part 3)
102	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts."	High Voltage (Water Immersion) Test (AC)	IS 694 Cl no. 10.1, IS 10810 (Part 45)