National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ROBUST TESTING SOLUTIONS, PLOT NO. H1-958, RIICO INDUSTRIAL AREA, CHOPANKI, BHIWADI, ALWAR, RAJASTHAN, INDIA

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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 up to and including 1100 volts	Ageing in air oven –Elongation at Break-Variation (XLPE insulation)	IS 14255 Cl.10.1-c)ii) IS 10810 (Pt-11)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Ageing in air oven –Tensile Strength-Variation (XLPE insulation)	IS 14255 Cl.10.1-c)ii) IS 10810 (Pt-11)
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Bending test on the completed Cable	IS 14255 Cl.11.4
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Breaking load (messenger conductor)	IS 14255 Cl.10.1-b)i) IS 10810 (Pt-2)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Carbon Black Content	IS 14255 Cl.10.1, d) iii) 1) IS 10810 (Pt-32)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Elongation at break (XLPE insulation)	IS 14255 Cl.5.1& Cl.10.1-c)i),d)i) IS 10810 (Pt-7)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Elongation test (Messenger conductor)	IS 14255 Cl.11.3& Cl.10.1-b)ii)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Environmental stress cracking	IS 14255 Cl.10.1, d) v) IS 10810 (Pt-29)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	High Voltage test	IS 14255 Cl.11.2 & Cl.10.1- g) IS 10810 (Pt-45)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Hot set test (XLPE insulation) Permanent	IS 14255 Cl.10.1-c)iii) IS: 10810 (Pt-30)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Hot set test (XLPE insulation) Under Load	IS 14255 Cl.10.1-c)iii) IS: 10810 (Pt-30)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Insulation resistance (Volume Resistivity) test	IS 14255 Cl.10.1- f) IS 10810 (Pt-43)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Melt Flow Index	IS 14255 Cl.10.1d, IS 10810 Part 23
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Resistance test (For phase/street light conductor)	IS 14255, Cl.10.1-a)iii) IS 8130, IS 10810 (Pt-5)
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Resistance test (Messenger conductor)	IS 14255 Cl.10.1-b)iii), IS 10810 (Pt-5)
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Shrinkage test (XLPE insulation)	IS :14255 Cl.10.1-c)iv) IS 10810 (Pt-12)
17	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Tensile strength (XLPE insulation)	IS 14255, Cl.5.1& Cl.10.1-c)i),d)i) IS 10810 (Pt-7)

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18	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Tensile test (For phase/street light conductor)	IS 14255 Cl.10.1-a)i) IS 8130 ,IS 10810 (Pt-2)
19	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Test for thickness of Insulation	IS 14255, Cl.7.2 & Cl.10.1- e) IS 10810 (Pt-6)
20	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Vicat softening Point	IS 14255 Cl.10.1, d) iv) IS 10810 (Pt-22)
21	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Water absorption (gravimetric) (XLPE insulation)	IS 14255 Cl.10.1-c)v) IS 10810 (Pt-33)
22	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables- For Working Voltages up to and including 1100 volts	Wrapping Test (For phase/street light conductor)	IS 14255, Cl.10.1-a)ii) IS 8130:2013 IS 10810 (Pt-3)
23	ELECTRICAL- CABLES & WIRES	Aluminium Alloy Stranded Conductors, (Aluminum-Magnesium-Silicon Type)	Breaking Load Test	IS 398(P-4) Cl. 12.2
24	ELECTRICAL- CABLES & WIRES	Aluminium Alloy Stranded Conductors, (Aluminum-Magnesium-Silicon Type)	Calculated Breaking Load of Conductor	IS 398(P-4) Cl. B-3 of Annex B
25	ELECTRICAL- CABLES & WIRES	Aluminium Alloy Stranded Conductors, (Aluminum-Magnesium-Silicon Type)	Elongation Test	IS 398(P-4) Cl. 12.3
26	ELECTRICAL- CABLES & WIRES	Aluminium Alloy Stranded Conductors, (Aluminum-Magnesium-Silicon Type)	Resistance & Mass of Conductor	IS 398(P-4) Cl. B-2 of Annex B
27	ELECTRICAL- CABLES & WIRES	Aluminium Alloy Stranded Conductors, (Aluminum-Magnesium-Silicon Type)	Resistance Test	IS 398(P-4) Cl. 12.4
28	ELECTRICAL- CABLES & WIRES	Aluminium Conductors For Overhead Transmission Purposes (Aluminium Stranded Conductors)	Aluminium Conductors For Overhead Transmission Purposes (Aluminium Stranded Conductors)	IS 398(P-1) Cl. 12.6
29	ELECTRICAL- CABLES & WIRES	Aluminium Conductors For Overhead Transmission Purposes (Aluminium Stranded Conductors)	Breaking Load Test	IS 398(P-1) Cl. 12.3
30	ELECTRICAL- CABLES & WIRES	Aluminium Conductors For Overhead Transmission Purposes (Aluminium Stranded Conductors)	Measurement of Diameter of Individual Aluminum Wires	IS 398(P-1) Cl. 12.2
31	ELECTRICAL- CABLES & WIRES	Aluminium Conductors For Overhead Transmission Purposes (Aluminium Stranded Conductors)	Resistance Test	IS 398(P-1) Cl. 12.5
32	ELECTRICAL- CABLES & WIRES	Aluminium Conductors For Overhead Transmission Purposes (Aluminium Stranded Conductors)	Wrapping Testing	IS 398(P-1) Cl. 12.4
33	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Breaking Load Test of Aluminum Wires & Galvanized Steel Wire	IS 398(P-2) Cl. 13.3
34	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Elongation Test	IS 398(P-2) Cl. 13.4.2
35	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Lay Ratio/ Direction of Lay	IS 398(P-2) Cl. 13.8

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36	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Measurement of Diameter of Individual Aluminium Wires & Galvanized Steel Wire	IS 398(P-2) Cl. 13.2
37	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Resistance Test	IS 398(P-2) Cl. 13.6
38	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Torsion Test	IS 398(P-2) Cl. 13.4.1
39	ELECTRICAL- CABLES & WIRES	Aluminium Conductors, Galvanized Steel-Reinforced	Wrapping Test	IS 398(P-2) Cl. 13.5
40	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Ageing in air oven (Insulation &Sheath)-Elongation Variation	IS 2465, IS 10810 Part 11
41	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Ageing in air oven (Insulation &Sheath)-Tensile Strength Variation	IS 2465, IS 10810 Part 11
42	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Annealing test (for copper)	IS 2465, IS 10810 Part 1
43	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Capacitance Test (for PVC ignition cables)	IS 2465 Cl.16
44	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Conductor Resistance test	IS 2465, IS 10810 Part 5
45	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Effect of cooling on flexibility for general cables)	IS 2465 Cl.21
46	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Effect of lubricating oil/brake Fluid /diesel/petrol	IS 2465 Cl.20
47	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Elongation at break (Insulation &Sheath)	IS 2465, IS 10810 Part 7
48	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Flammability test	IS 2465, IS 10810 (Pt-53)
49	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Heat shock test (Insulation &Sheath)	IS 2465, IS 10810 Part 14
50	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	High Voltage test	IS 2465, IS 10810 (Pt-45)
51	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Hot deformation (Insulation &Sheath)	IS 2465, IS 10810 (Pt-15)
52	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Loss of mass test (Insulation &Sheath)	IS 2465, IS 10810 (Pt-10)
53	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Persulphate test for tinned copper only	IS 2465 Cl.12.1 b)

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54	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Shrinkage test (Insulation &Sheath)	IS 2465, IS 10810 (Pt-12)
55	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Tensile strength (Insulation &Sheath)	IS 2465, IS 10810 (Pt-7)
56	ELECTRICAL- CABLES & WIRES	Cables for Motor Vehicles	Test for overall dimensions and Thickness of Insulation /Sheath	IS 2465, IS 10810 (Pt-6)
57	ELECTRICAL- CABLES & WIRES	Copper Wire	Copper Purity Test	IS 191
58	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Ageing in air oven -Elongation (Insulation &outer sheath)	IS 7098(P-1): Cl.15.1- d) ii) & e) ii), IS 583, IS 10810 (Pt-11)
59	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Ageing in air oven-Tensile Strength (Insulation &outer sheath)	IS 7098(P-1) Cl.15.1- d) ii) & e) ii), IS 5831, IS 10810 (Pt-11)
60	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Annealing tests (for Copper)	IS 7098(P-1) Cl.15.1- a) i) IS 8130, IS 10810 (Pt-1)
61	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Cold Impact test (Above to 12.5 mm dia.) (Outer sheath)	IS 7098(P-1) Cl.15.4 (b), IS 10810 (Pt-21)
62	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Conductor Resistance test	IS 7098(P-1) Cl.15.1- a) iv), IS 8130, IS 10810 (Pt-5)
63	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Dimensions (Round steel wire/formed steel wire (strip) armour)	IS 7098(P-1) Cl.13.3 & Cl.15.1- b) 1), IS 3975:1999, IS 10810 (Pt-36)
64	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Elongation at break (Insulation &outer sheath)	IS 7098(P-1): Cl.15.1-d) i) & e) i) IS 5831, IS 10810 (Pt-7)
65	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Elongation at break of armour steel strip	IS 7098(P-1), Cl.13.6(a,b) & Cl.15.1- b) 2-i,ii), IS 3975: IS 10810 (Pt-37)
66	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Heat shock test (outer sheath)	IS 7098 Part 1 Cl.15.1, IS 5831, IS 10810 Part 14
67	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Hot deformation (outer sheath)	IS 7098(P-1) Cl.15.1- e) v), IS 5831, IS 10810 (Pt-15)
68	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Hot set test-Permanent (Insulation)	IS 7098(P-1) Cl.15.1- d) iii), IS 10810 (Pt-30)

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69	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Hot set test-Under Load (Insulation)	IS 7098(P-1) Cl.15.1- d) iii), IS 10810 (Pt-30)
70	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Loss of mass test in air oven (outer sheath	IS 7098(P-1) Cl.15.1- e) iii), IS 5831, IS 10810 (Pt-10)
71	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Mass of Zinc Coating (Round steel wire/formed steel wire (strip) armour)	IS 7098(P-1): Cl.13.6(f) & Cl.15.1- b) 2-vi), IS 3975, IS 10810 (Pt-41)
72	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Resistivity (Round steel wire/formed steel wire (strip) armour)	IS 7098(P-1) Cl.13.6(g) & Cl.15.1- b) 2-vii), IS 3975, IS 10810 (Pt-42)
73	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Shrinkage test (outer sheath)	IS 7098(P-1) Cl.15.1- d) iv) & e) iv) IS 5831, IS 10810 (Pt-12)
74	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Smoke density (for C2 category)	IS 7098 (P-1), IS 10810 (Pt-63)
75	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Tensile strength (for Aluminum)	IS 7098(P-1) Cl.15.1- a) ii) IS 8130, IS 10810 (Pt-2)
76	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Tensile strength (Insulation &outer sheath)	IS 7098(P-1) Cl.15.1-d) i) & e) i), IS 5831 IS 10810 (Pt-7)
77	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Tensile strength for armour steel Strip	IS 7098(P-1) Cl.13.6(a,b) & Cl.15.1- b) 2-i,ii) IS 3975, IS 10810 (Pt-37)
78	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Test for thickness of Insulation & Sheath	IS 7098(P-1), Cl.15.1- c), IS 10810 (Pt-6)
79	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Thermal stability (outer sheath)	IS 7098(P-1) Cl.15.1- e) vii) IS 10810 (Pt-60)
80	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Torsion test for round steel wires armour	IS 7098(P-1) Cl.13.6(c) & Cl.15.1- b) 2-iii) IS 3975, IS 10810 (Pt-38)
81	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Uniformity of zinc coating (Round steel wire/formed steel wire (strip) armour)	IS 7098(P-1):, Cl.13.6(e) & Cl.15.1- b) 2-v) IS 3975, IS 10810 (Pt-40)
82	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Water absorption (gravimetric) (Insulation)	IS 7098(P-1) Cl.15.1- d) v), IS 10810 (Pt-33)

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83	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Winding test for formed steel wire (strip) armour	IS 7098(P-1) Cl.13.6(d) & Cl.15.1- b) 2-iv) IS 3975 ,IS 10810 (Pt-39)
84	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Wrapping Test (for Aluminum)	IS 7098(P-1)Cl.15.1- a) iii) IS 8130, IS 10810 (Pt-3)
85	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Cold Bend test (Up to 12.5 mm dia.) (Outer sheath)	IS 7098(P-1), Cl.15.4 (a) IS 10810 (Pt-20)
86	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Flame retardance test on bunched cables (For C1 & C2 category)	IS 7098(P-1) Cl.16.6 & Cl.15.1.1 IS 10810 (Pt-62)
87	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Flame retardance test on single cable (For C1 & C2 category)	IS 7098(P-1) Cl.16.5 & Cl.15.1.1, IS 10810 (Pt-61)
88	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Flammability test	IS 7098(P-1) Cl.16.3 & Cl.15.1-h), IS 10810 (Pt-53)
89	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Halogen acid gas Evolution	IS 7098(P-1)Cl.16.8 & Cl.15.1.1, IS 10810 (Pt-59)
90	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	High Voltage test	IS 7098(P-1) Cl.16.2 & Cl.15.1-g) ,IS 10810 (Pt-45)
91	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Oxygen Index test (For C1 & C2 category)	IS 7098(P-1) Cl.16.4 & Cl.15.1.1, IS 10810 (Pt-58)
92	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Smoke density	IS 7098(P-1) Cl.16.10 & Cl.15.1.1 IS 13360-6-9
93	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages up to and including 1100 volts.	Temperature Index (For C1 & C2 category)	IS 7098(P-1) Cl.16.9& Cl.15.1.1, IS 10810 (Pt-64)
94	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Ageing in Air Bomb-Elongation at Break (Insulation & sheath) as applicable	IS 9968(P-1) Cl.21.1 (c) IS 10810 (Pt-56)
95	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Ageing in Oxygen Bomb-Elongation at Break (Insulation & sheath) as applicable	IS 9968(P-1) Cl.21.1 (d) IS 10810 (Pt-16)
96	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Ageing in Oxygen Bomb-Tensile Strength (Insulation & sheath) as applicable	IS 9968(P-1), Cl.21.1 (d) IS 10810 (Pt-16)

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97	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Flammability Test (applicable to cables finished with SE 3 and SE 4 sheath)	IS 9968(P-1) Cl.22.3 IS 10810 (Pt-53)
98	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Flexing test for cords for use with electric irons	IS 9968(P-1) Cl.22.4 Appendix-B
99	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	High Voltage (water immersion) Test	IS 9968(P-1) Cl.22.2, IS 10810 (Pt-45)
100	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Hot set test –Under Load (Insulation & sheath) as applicable	IS 9968 (P-1) Cl.21.1 (e), IS 10810 (Pt-30)
101	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Hot set test-Permanent (Insulation & sheath) as applicable	IS 9968 (P-1) Cl.21.1 (e), IS 10810 (Pt-30)
102	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Insulation resistance	IS 9968(P-1): Cl.21.1, IS 10810 (Pt-43)
103	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Oil Resistance (Insulation & sheath) as applicable	IS 9968(P-1) Cl.21.1 (f) IS 10810 (Pt-31)
104	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Water absorption test (1 – 14 days- % Increase in Capacitance) (for insulation as applicable)	IS 9968(P-1) Cl.21.1 IS 10810(P- 28)
105	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Water absorption test (7 – 14 days- % Increase in Capacitance) (for insulation as applicable)	IS 9968(P-1) Cl.21.1 IS 10810(P- 28)
106	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Tear Resistance Test	IS 9968(P-1) Cl.22.4 Appendix-B, IS 10810 (Pt-17)
107	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Annealing test (for copper)	IS 9968 (Pt-1) (Cl.21.1) IS 10810 (Pt-1):1984 IS 8130
108	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Persulphate test (for copper)	IS 9968 (Pt-1) (Cl.21.1) IS 10810 (Pt-4)
109	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Tensile test (for aluminum)	IS 9968 (Pt-1) (Cl.21.1), IS 10810 (Pt-2), IS 8130
110	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Wrapping test (for aluminum)	IS 9968 (Pt-1): (Cl.21.1) IS 10810 (Pt-3): IS 8130
111	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Ageing in Air Bomb-Tensile Strength (Insulation & sheath) as applicable	IS 9968(P-1) Cl.21.1 (c) IS 10810 (Pt-56)

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112	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Ageing in air oven –Elongation at Break (Insulation & sheath) as applicable	IS 9968(P-1):Cl.21.1 (b), IS: 10810 (Pt-11)
113	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Ageing in air oven-Tensile Strength (Insulation & sheath) as applicable	IS 9968(P-1) Cl.21.1 (b), IS: 10810 (Pt-11)
114	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Conductor Resistance	IS 9968 (Pt-1) (Cl.21.1), IS 10810 (Pt-5), IS 8130
115	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Elongation at break (Insulation & sheath) as applicable	IS 9968 (P-1) Cl.21.1 (a), IS 10810 (Pt-7)
116	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Tensile strength (Insulation & sheath) as applicable	IS 9968 (P-1), Cl.21.1 (a) IS 10810 (Pt-7)
117	ELECTRICAL- CABLES & WIRES	Elastomeric insulated cables For working voltages up to and including 1100 volts.	Test for thickness of Insulation & Sheath and overall diameter (where specified)	IS 9968 (P-1) (Cl.12, Cl.19 ,21.1 and table 1 to 10), IS 10810 (Pt-6)
118	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Ageing in air oven-Elongation at Break Variation (Insulation & Sheath)	IS 17048 Cl.11& Table-2 (III)c) vi) & e) ii) & Annex A & B, IS 10810 (Pt-11)
119	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Ageing in Air Oven-Elongation Variation (Insulation & Sheath)	IS 17048 Cl.11 & Table-1(III)c)i) & Annex A, IS 10810 (Pt-7 & 11)
120	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Ageing in Air Oven-Tensile strength Variation (Insulation & Sheath)	IS 17048 Cl.11 & Table-1(III)c)i) & Annex A IS, 10810 (Pt-7 & 11)
121	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Ageing in air oven-Tensile Strength Variation (Insulation & Sheath)	IS 17048, Cl.11& Table-2(III)c)vi) & e)ii) & Annex A & B, IS 10810 (Pt-11)
122	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Annealing test (for copper) (Conductor)	IS 17048 Cl.11 & Table-2(III)a)ii) IS 8130:2013, IS 10810 (Pt-1)
123	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Assessment of Halogen-Conductivity	IS 17048 Cl.11& Table-2(III)c)viii) d) i) & e)vi) & 5.7 and Annex D
124	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Assessment of Halogen-HCL and Hbr	IS 17048 Cl.11& Table-2(III)c)viii) d) i) & e)vi) & 5.7 and Annex D
125	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Assessment of Halogen-HF	IS 17048 Cl.11& Table-2(III)c)viii) d) i) & e)vi) & 5.7 and Annex D

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126	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Assessment of Halogen-pH	IS 17048 Cl.11& Table-2(III)c)viii) d) i) & e)vi) & 5.7 and Annex D
127	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Cold Bend test (Up to 12.5 mm dia.) (Finished cable)	IS 17048 Cl.11 & Table-2(III)f)iii) & Annex A & B, IS 10810 (Pt-20)
128	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Cold Impact test (Above to 12.5 mm dia.) (Insulation & Finished cable)	IS 17048 Cl.11 & Table-2(III)c)x) & f)iv) & Annex A & B, IS 10810 (Pt-21)
129	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Conductor Resistance test (Conductor)	IS 17048 Cl.11 & Table-2(III)a) i), IS 8130, IS 10810 (Pt-5)
130	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Elongation at break (Insulation & Sheath)	IS 17048 Cl.11 & Table-1(III), c)i) e)i) Annex A & Annex B IS 10810 (Pt-7)
131	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Flame retardant test (Insulation & Finished cable)	IS 17048 Cl. 5.11 & Cl.11 & Table-2(III)c)xiii) & f)v), IS 10810 (Pt-61)
132	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Flammability test (Finished cable)	IS 17048 Cl.5.3 & Cl.11 & Table-1(III)f)ii), IS 10810 (Pt-53)
133	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	High Voltage test (at room temperature) (Insulation & finished cable)	IS 17048 Cl.5.1 & Table-1(III)c)ii) & f)i), IS 10810 (Pt-45)
134	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Hot deformation (Insulation & Sheath)	IS 17048 Cl.11& Table-2(III)c)vii) & e)vi) & Annex A & B, IS 10810 (Pt-15)
135	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Hot set test- Under Load (Insulation & Sheath)	IS 17048 Cl.11 & Table-2(III)c)xi) & e)viii) & Annex A & B, IS 10810 (Pt-30)
136	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Hot set test-Permanent (Insulation & Sheath)	IS 17048 Cl.11 & Table-2(III)c)xi) & e)viii) & Annex A & B, IS 10810 (Pt-30)
137	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Insulation resistance constant	IS 17048 Cl.11 & Table-2(III)c)iii) & Annex A, IS 10810 (Pt-43)
138	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Oxygen Index (Insulation & Sheath)	IS 17048 Cl.5.4 & Cl.11 & Table-2(III)c)iv) & e)iii), IS 10810 (Pt-58)
139	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Ozone Resistance Test (Insulation & Sheath)	IS 17048, Cl.5.14, Table-2(III)c)xii), e) Annex-A,v), IS 10810 (Pt-13)

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140	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Persulphate test for tinned copper (Conductor)	IS 17048 Cl.11 & Table-2(III)a)iii), IS 8130, IS 10810 (Pt-4)
141	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Smoke density Test (Finished cable)	IS 17048 Cl.11, Cl.5.6 & Table-2(III)f)vii), IS 10810 (Pt-63)
142	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Temperature Index (Insulation & Sheath)	IS:17048, Cl.5.5 & Cl.11 & Table-2(III)c)v) & e)iv) IS 10810 (Pt-64)
143	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Tensile strength (Insulation & Sheath)	IS 17048 Cl.11 & Table-1(III), c)i) e)i) Annex A & Annex B, IS 10810 (Pt-7)
144	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Tensile test (for aluminum) (Conductor)	IS 17048 Cl.11 & Table-2(III)a)iv) IS 8130, IS 10810 (Pt-2)
145	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Test for overall dimensions and Thickness of Insulation and Sheath	IS 17048 Cl.11 & Cl.11.2,11.3,12.2,12.3,13.2,13.4,13.5,13.6,14.2,14.4,14.5,14.6,15.2,15.4,15.5, table 3 to 8 & Table-1(III)b) IS 10810 (Pt-6)
146	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Volume Resistivity	IS 17048 Cl.11 & Table-2(III)c)iii) & Annex A, IS 10810 (Pt-43)
147	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Water immersion test (effect of water on sheath of cable)-Elongation Variation (Finished cable)	IS 17048 Cl. 5.13 & Cl.11 & Table-2(III)f)v)
148	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Water immersion test (effect of water on sheath of cable)-Tensile strength Variation (Finished cable)	IS 17048 Cl. 5.13 & Cl.11 & Table-2(III)f)v)
149	ELECTRICAL- CABLES & WIRES	Halogen free flame retardant (HFFR) cables for working voltages up to and including 1100 volts	Wrapping Test (for aluminum) (Conductor)	IS 17048 Cl.11 & Table-2(III)a)v), IS 8130, IS 10810 (Pt-3)
150	ELECTRICAL- CABLES & WIRES	Methods of test for polyethylene Moulding materials and Polyethylene compounds	Carbon Black Content	IS 2530 Cl. 10 IS 10810 (P-32)
151	ELECTRICAL- CABLES & WIRES	Methods of test for polyethylene Moulding materials and Polyethylene compounds	Colour Bleeding and Blooming Test	IS 2530 Cl. 12 IS 10810 (P-19)
152	ELECTRICAL- CABLES & WIRES	Methods of test for polyethylene Moulding materials and Polyethylene compounds	Colour Fastness to Daylight	IS 2530 Cl. 15 IS 10810 (P-18)
153	ELECTRICAL- CABLES & WIRES	Methods of test for polyethylene Moulding materials and Polyethylene compounds	Colour Fastness to Water	IS 2530 Cl.13

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154	ELECTRICAL- CABLES & WIRES	Methods of test for polyethylene Moulding materials and Polyethylene compounds	Melt Flow Index	IS 2530 Cl. 7, IS 10810 Part 23
155	ELECTRICAL- CABLES & WIRES	Methods of test for polyethylene Moulding materials and Polyethylene compounds	Vicat Softening Point	IS 2530 Cl. 19 IS 10810 (P-22)
156	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Ageing in air oven Elongation at Break Variation (Insulation &Sheath)	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
157	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Ageing in air oven Tensile Strength Variation (Insulation &Sheath)	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
158	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Bending Test at low Temperature	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
159	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Conductor Resistance	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
160	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Durability & Legibility of Marking	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
161	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Elongation at break (Insulation and Sheath)	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
162	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Elongation Test at Low Temperature	IEC 60227-1: IEC 60227-2: IEC 60227-3: IEC 60227-4:IEC 60227-5
163	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Flammability Test	IEC 60227-1:2007 IEC 60227-2:1997 IEC 60227-3:1993 IEC 60227-4:1997 IEC 60227-5
164	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Heat Shock Test	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5

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165	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	High Voltage test (Water immersion	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
166	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	High Voltage test at room temperature	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
167	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Hot deformation test / Pressure Test at High Temperature	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
168	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Insulation Resistance	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
169	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Loss of Mass	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
170	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Tensile strength (Insulation and Sheath)	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
171	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Test for eccentricity and Thickness of insulation and sheath / Overall Dimensions	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
172	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables- Part-1 : General Requirement Part-2 : Test Method Part-3: Non-Sheathed cabled for fixed wiring Part-4: Sheathed cabled for fixed wiring Part-5: Flexible Cables (Cords)	Thermal Stability	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60227-4, IEC 60227-5
173	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Ageing in Air Oven-Elongation Variation	IEC 60502-1
174	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Ageing in Air Oven-Tensile Strength Variation	IEC 60502-1
175	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Carbon Content Test	IEC 60502-1
176	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Cold Bend Test	IEC 60502-1
177	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Cold Impact Test	IEC 60502-1

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178	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Conductor Resistance	IEC 60502-1
179	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Elongation at break on (Insulation and Sheath)	IEC 60502-1
180	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Elongation Test at Low Temp.	IEC 60502-1
181	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Flame Retardance Test on Bunched cable	IEC 60502-1
182	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Flammability Test	IEC 60502-1
183	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Halogen Acid Gas Evolution / Corrosive & halogen acid Gas	IEC 60502-1
184	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Heat Shock Test	IEC 60502-1
185	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	High Voltage test at room temperature	IEC 60502-1
186	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	High Voltage Test (4 Hour Test)	IEC 60502-1
187	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Hot deformation test/ Pressure Test at High Temperature	IEC 60502-1
188	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Hot Set Test	IEC 60502-1
189	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Insulation Resistance	IEC 60502-1
190	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Loss of Mass	IEC 60502-1
191	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Ozone Resistance Test	IEC 60502-1
192	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Shrinkage Test	IEC 60502-1
193	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Tensile strength (Insulation and Sheath)	IEC 60502-1
194	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Test for eccentricity and Thickness of insulation and	IEC 60502-1
195	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Thermal ageing test for complete cable/ Additional Ageing Test on pieces of Completed cables	IEC 60502-1

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196	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Thermal Stability	IEC 60502-1
197	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Water absorption test (1 – 14 days- % Increase in Capacitance) (for insulation as applicable)	IEC 60502-1
198	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Water absorption test (7 – 14 days- % Increase in Capacitance) (for insulation as applicable)	IEC 60502-1
199	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltage from 1 kV to 3 kV	Water Absorption Test (Gravimetric)	IEC 60502-1
200	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Annealing tests (for copper)	IS 1554(P-1) Cl.15.1-a)1) IS 8130, IS 10810 (Pt-1
201	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Flame Retardance test on Bunched Cables (for C1 & C2 category)	IS 1554(P-1)Cl.16.7 & Cl.15.1.1 IS 10810 (Pt-62)
202	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Temperature Index (for C1 & C2 category)	IS 1554(P-1) Cl.16.10 & Cl.15.1.1 IS 10810 (Pt-64)
203	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Thermal stability (Insulation &Sheath)	IS 1554(P-1), IS 5831, IS 10810 (Pt-60)
204	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	AC High Voltage test (Water immersion test)	IS 1554(P-1) Cl.16.3 & Cl.15.1-f) IS 10810 (Pt-45)
205	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Ageing in air oven- Elongation (Insulation &outer sheath)	IS 1554(P-1), Cl.15.1-d)2) IS 5831, IS 10810 (Pt-11)
206	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Ageing in air oven- Tensile Strength (Insulation &outer sheath)	IS 1554(P-1) Cl.15.1-d)2) IS 5831, IS 10810 (Pt-11)
207	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Cold Bend test (Up to 12.5 mm dia.)	IS 1554(P-1) Cl.15.4 (a), IS 10810 (Pt-20)
208	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Cold Impact test (Above to 12.5 mm dia.)	IS 1554(P-1) Cl.15.4(b), IS 10810 (Pt-21)
209	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Conductor resistance test	IS 1554(P-1) Cl.15.1-a)4) IS 8130, IS 10810 (Pt-5)
210	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	DC High Voltage test (Water immersion)	IS 1554(P-1) Cl.16.3, IS 10810 (Pt-45)
211	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Dimension (Round steel wire/formed steel wire(strip) armour)	IS 1554(P-1)Cl.13.3 & Cl.15.1-b)1) IS 3975, IS 10810 (Pt-36)

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212	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Elongation (Insulation &outer sheath)	IS 1554(P-1) Cl.15.1-d)1) IS 5831, IS 10810 (Pt-7)
213	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Flame Retardance test on Single Cable (for C1 & C2 category)	IS 1554(P-1) Cl.16.6 & Cl.15.1.1 IS 10810 (Pt-61)
214	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Flammability test	IS 1554(P-1), Cl.16.4 & Cl.15.1-(h) IS 10810 (Pt-53)
215	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Heat shock test (Insulation &outer sheath)	IS 1554 Part 1 Cl.15.1d, IS 5831, IS 10810 Part 14
216	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	High Voltage test at room temperature	IS 1554(P-1), Cl.16.2 & Cl.15.1-g) IS 10810 (Pt-45)
217	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Hot deformation (Insulation &outer sheath)	IS 1554(P-1) Cl.15.1-d)4) IS 5831, IS 10810 (Pt-15)
218	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Insulation resistance test constant	IS 1554(P-1) Cl.15.1-e), IS 5831, IS 10810 (Pt-43)
219	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Loss of mass in air oven (Insulation &outer sheath)	IS 1554(P-1) Cl.15.1-d)5), IS 5831 IS 10810 (Pt-10)
220	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Mass of Zinc Coating (Round steel wire/formed steel wire(strip) armour)	IS 1554(P-1) Cl.13.6(f) & Cl.15.1-b)2-vi) IS 3975, IS 10810 (Pt-41)
221	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Oxygen Index test (for C1 & C2 category)	IS 1554(P-1) Cl.16.5 & Cl.15.1.1 IS 10810 (Pt-58)
222	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Resistivity (Round steel wire/formed steel wire(strip) armour)	IS 1554(P-1) Cl.13.6(g) & Cl.15.1-b)2-vii) IS 3975, IS 10810 (Pt-42)
223	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Shrinkage test (Insulation &outer sheath)	IS 1554(P-1), Cl.15.1-d)3) IS 5831, IS 10810 (Pt-12)
224	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Smoke density	IS 1554(P-1) ,IS 13360-6-9
225	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Smoke density (for C2 category)	IS 1554(P-1), Cl.16.11 & Cl.15.1.1 IS 10810 (Pt-63)
226	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Tensile strength (Insulation &outer sheath)	IS 1554(P-1) Cl.15.1-d)1) IS 5831, IS 10810 (Pt-7)
227	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Tensile strength & Elongation at break (Round formed steel wire(strip) armour)	IS 1554(P-1), Cl.13.6(a,b) & Cl.15.1-b)2-i,ii) IS 3975, IS 10810 (Pt-37)
228	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Tensile test (for aluminum)	IS 1554(P-1) Cl.15.1-a)2) IS 8130, IS 10810 (Pt-2)

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229	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Test for halogen acid gas evolution (for C2 category)	IS 1554(P-1) Cl.16.9 & Cl.15.1.1 IS 10810 (Pt-59)
230	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Test for thickness of Insulation and sheath	IS 1554(P-1) Cl.15.1-(c), IS 10810 (Pt-6)
231	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Torsion test for round steel wires armour	IS 1554(P-1) Cl.13.6(c) & Cl.15.1-b)2-iii) IS 3975, IS 10810 (Pt-38)
232	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Uniformity of Zinc coating (Round steel wire/formed steel wire(strip) armour)	IS 1554(P-1) Cl.13.6(e) & Cl.15.1-b)2-v), IS 3975, IS 10810 (Pt-40)
233	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Volume Resistivity	IS 1554(P-1) Cl.15.1-e), IS 10810 (Pt-43)
234	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Winding test for formed steel wire (strip) armour	IS 1554(P-1) Cl.13.6(d) & Cl.15.1-b)2-iv), IS 3975, IS 10810 (Pt-39)
235	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For working voltages Up to and Including 1100V	Wrapping Test (for aluminum)	IS 1554(P-1) Cl.15.1-a)3) IS 8130, IS 10810 (Pt-3)
236	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Annealing test (for copper)	IS 694: Cl.10 & Table-1(iii)a)1), IS 8130, IS 10810 (Pt-1)
237	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	AC High Voltage test (Water immersion test)	IS 694 Cl.10.1 & Table-1(iii)e) 1) IS 10810 (Pt-45)
238	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Additional ageing tests (OU cables only)	Cl.10.9 IS 694
239	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Ageing in air oven Elongation at Break Variation (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)3)&d)3) IS 5831:1984 IS 10810 (Pt-11)
240	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Ageing in air oven Tensile Strength Variation (Insulation &Sheath)	IS 694, Cl.10 & Table-1(iii)c)3)&d)3), IS 5831, IS 10810 (Pt-11)
241	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Cold Bend test (Up to 12.5 mm dia.) (Insulation & Sheath)	IS 694: Cl.10 & Table-1(iii)c)8)&d)12) IS 5831, IS 10810 (Pt-20)
242	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Cold Impact test (Above to 12.5 mm dia.) (Insulation & Sheath)	IS 694 Cl.10 & Table-1(iii)c)9)& d)13), IS 5831, IS 10810 (Pt-21)
243	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Conductor Resistance test	IS 694 Cl.4.2 & Table-1(iii)a)4), IS 8130 IS 10810 (Pt-5)

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244	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	DC High Voltage test (Water immersion)	IS 694 Cl.10.1, IS 10810 (Pt-45)
245	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Elongation at break (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)1)&d)1), IS 5831 IS 10810 (Pt-7)
246	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Flammability test	IS 694: Cl. 10.4 & Table-1(iii)c)10) & e)5), IS 10810 (Pt-53)
247	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Heat shock test (Insulation &Sheath)	IS 694 Cl.10, IS 5831, IS 10810 Part 14
248	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	High Voltage test	IS 694 Cl.10.2 & Table-1(iii)e)4), IS 10810 (Pt-45)
249	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Hot deformation (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)6)&d)6) IS 5831, IS 10810(Pt-15)
250	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Insulation resistance constant	IS 694 Cl.10 & Table-1(iii)e)3), IS 5831, IS 10810 (Pt-43)
251	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Loss of mass test (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)2)&d)2), IS 5831 IS 10810 (Pt-10)
252	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Oxygen Index test	IS 694 Cl.10.5 & Table-1(iii)c)11) & d)8), ASTM D 2863, IS 10810 (Pt-58)
253	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Persulphate test (for tinned copper conductor cable only)	IS 694:2010 Cl.10.11& Table-1(iii)a)5) Cl.7.1.1 of IS 8130:2013 IS10810 (Pt-4)
254	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Shrinkage test (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)4)&d)4) IS 5831, IS 10810 (Pt-12)
255	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Tensile strength (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)1)&d)1), IS 5831 IS 10810 (Pt-7)
256	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Tensile test (for Aluminum)	IS 694: Cl.10 & Table-1(iii)a)2), IS 8130: IS 10810 (Pt-2)
257	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Test for halogen acid gas Evaluation	IS 694 Cl.10.6 & Table-1(iii)c)13) & d)10) IEC 60754 P-1, IS 10810 (Pt-59)

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258	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Test for overall dimensions and Thickness of Insulation /Sheath	IS 694 Cl.5.3 & 8.3& Table-1(iii)b), IS 10810 (Pt-6)
259	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Test for smoke density	IS 694:Cl.10.8 & Table-1(iii)c)14) & d)11),ASTM D 2843, IS 13360-6-9
260	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Test for Temperature Index	IS 694 Cl.10.7 & Table-1(iii)c)12) & d)9), ASTM D 2863, IS 10810 (Pt-64), Amend. -4-
261	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Thermal stability (Insulation &Sheath)	IS 694 Cl.10 & Table-1(iii)c)7)&d)7), IS 5831, IS 10810 (Pt-60)
262	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Volume Resistivity	IS 694 Cl.10 & Table-1(iii)e)3), IS 5831, IS 10810(Pt-43)
263	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with rigid and Flexible Conductor for rated Voltages up to and including 1100V	Wrapping Test (for aluminium)	IS 694 Cl.10 & Table-1(iii)a)3) IS 8130, IS 10810 (Pt-3)
264	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Abrasion Test	BS 7846
265	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Ageing in air oven Elongation at Break Variation (Insulation &Sheath)	BS 7846
266	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Ageing in air oven Tensile Strength Variation (Insulation &Sheath)	BS 7846
267	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Ageing in Air Oven-Elongation at Break	BS 7846
268	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Ageing in Air Oven-Tensile Strength	BS 7846
269	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Bending Test at low Temperature	BS 7846
270	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Cold Impact Test	BS 7846
271	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Cold Impact Test	BS 7846
272	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Compatibility Test	BS 7846

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273	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Conductor Resistance	BS 7846
274	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Dimension for Armourina Material	BS 7846
275	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Elongation at break (Insulation and Sheath)	BS 7846
276	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Elongation Test at Low Temperature	BS 7846
277	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Flame Retardance Test on Bunched cable	BS 7846
278	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Halogen Acid Gas Evolution	BS 7846
279	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Heat Shock Test	BS 7846
280	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	High Voltage test at Room	BS 7846
281	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	High Voltage test at room temperature	BS 7846
282	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Hot deformation test/ Pressure Test at High Temperature	BS 7846
283	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Hot Set Test	BS 7846
284	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Insulation Resistance	BS 7846
285	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Mass of Zinc Coating	BS 7846
286	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Resistance to Fire(Category F30 Category F60 Category F120)	BS 7846
287	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Shrinkage Test	BS 7846
288	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Tear Resistance	BS 7846
289	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Tensile strength (Insulation and Sheath)	BS 7846
290	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Test under Fire Conditions/ Flammability Test	BS 7846

SCOPE OF ACCREDITATION

Laboratory Name : ROBUST TESTING SOLUTIONS, PLOT NO. H1-958, RIICO INDUSTRIAL AREA, CHOPANKI, BHIWADI, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/05/2022 to 17/05/2024 **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
291	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Test for eccentricity and Thickness of insulation and sheath / Overall Dimensions	BS 7846
292	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Water Absorption Test (Gravimetric)	BS 7846
293	ELECTRICAL- CABLES & WIRES	Thermosetting insulated armored Fire Resistant cables having low emission of smoke of corrosive gasses.	Winding/ Wrapping Test on Galvanized steel strip for Armoring	BS 7846
294	ELECTRICAL- CABLES & WIRES	Welding Cables	Ageing in Air Bomb (Physical tests for covering) As applicable- Elongation Variation	IS 9857 (Cl.10.1-c-3) IS 10810 (Pt-56)
295	ELECTRICAL- CABLES & WIRES	Welding Cables	Ageing in Air Bomb (Physical tests for covering) As applicable- Tensile Strength Variation	IS 9857 (Cl.10.1-c-3) IS 10810 (Pt-56)
296	ELECTRICAL- CABLES & WIRES	Welding Cables	Ageing in air oven (Physical tests for covering) As applicable- Elongation Variation	IS 9857(Cl.10.1-c-2) IS 10810 (Pt-11)
297	ELECTRICAL- CABLES & WIRES	Welding Cables	Ageing in air oven (Physical tests for covering) As applicable- Tensile Strength Variation	IS 9857 (Cl.10.1-c-2) IS 10810 (Pt-11)
298	ELECTRICAL- CABLES & WIRES	Welding Cables	Annealing test	IS 9857 (Cl.10.1-a-1) IS 8130, IS 10810 (Pt-1)
299	ELECTRICAL- CABLES & WIRES	Welding Cables	Conductor Resistance Test	IS 9857 (Cl.10.1-a-2) IS 8130, IS 10810 (Pt-5)
300	ELECTRICAL- CABLES & WIRES	Welding Cables	Elongation at break (Physical tests for covering) As applicable	IS 9857, (Cl.10.1-c-1), IS 10810 (Pt-7)
301	ELECTRICAL- CABLES & WIRES	Welding cables	Flammability test	IS 9857 (Cl.10.1-f& Cl. 11.4), IS 10810 (Pt-53)
302	ELECTRICAL- CABLES & WIRES	Welding Cables	High Voltage test (Water immersion test)	IS 9857, (Cl.10.1-d& Cl.11.1) IS 10810 (Pt-45)
303	ELECTRICAL- CABLES & WIRES	Welding Cables	Hot set test -Permanent (Physical tests for covering) As applicable	IS 9857(Cl.10.1-c-5) IS 10810 (Pt-30)
304	ELECTRICAL- CABLES & WIRES	Welding Cables	Hot set test –Under Load (Physical tests for covering) As applicable	IS 9857 (Cl.10.1-c-5), IS 10810 (Pt-30)

SCOPE OF ACCREDITATION

Laboratory Name :	ROBUST TESTING SOLUTIONS, PLOT NO. H1-958, RIICO INDUSTRIAL AREA, CHOPANKI, BHIWADI, ALWAR, 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
305	ELECTRICAL- CABLES & WIRES	Welding Cables	Oil resistance test (Physical tests for covering)-Elongation Variation	IS 9857(Cl.10.1-c-4), IS 10810 (Pt-31)
306	ELECTRICAL- CABLES & WIRES	Welding Cables	Oil resistance test (Physical tests for covering)-Tensile Strength Variation	IS 9857, (Cl.10.1-c-4), IS 10810 (Pt-31)
307	ELECTRICAL- CABLES & WIRES	Welding Cables	Static flexibility test	IS 9857 (Cl.10.1-e& Cl.11.3), IS 10810 (Pt-54)
308	ELECTRICAL- CABLES & WIRES	Welding Cables	Tensile strength (Physical tests for covering) As applicable	IS 9857 (Cl.10.1-c-1), IS 10810 (Pt-7)
309	ELECTRICAL- CABLES & WIRES	Welding Cables	Test for thickness of covering	IS 9857 (Cl.10.1-b & Table-1), IS 10810 (Pt-6)