National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QA LAB PARAMOUNT COMMUNICATIONS LTD., SP-30A, SP-30B & E31 RIICO INDUSTRIAL AREA, KHUSHKHERA, 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
Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Bending Test	IS 14255 + AMD 1 Cl. No. 10.4, 11.4,IS 10810 (Part 50)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Environmental stress cracking	IS 14255 + AMD 1 Cl. No. 10.1.d.v,IS 10810(P-29)
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	High Voltage Test	IS 14255 + AMD 1 Cl. No. 10.1g, 10.2k, 10.3b, 11.2, 15.1 g,IS 10810 (P-45)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Insulation resistance (volume resistivity test)	IS 14255 + AMD 1 Cl. No. 10.2.j, 10.1.f,IS 5831, IS 10810 (P-43)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Test for thickness insulation	IS 14255 + AMD 1 Cl. No.10.2.f, 10.1.e,Table -4,IS 10810(P-8)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Test for thickness insulation	IS 14255 + AMD 1 Cl. No.10.2.f, 10.1.e,Table -4,IS 10810(P-8)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Wrapping Test	IS 14255+AMD 1 Cl.No.10.1.a.ii, 10.2.b, IS 8130, IS 10810 (P-3)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	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 (P-11)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Breaking load for main & messenger Conductor	IS 14255 + AMD 1Cl.No.10.1.a.i, 10.2.c Table 3:,IS 10810(P-2)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Carbon Black Content for PE	IS 14255 + AMD 1 Cl. No. 10.1.C.Vi,Cl. No. 10.1.d.iii,IS 10810(P- 32)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Conductor Resistance Test	IS 14255 + AMD 1 Cl no. 10.3a, 10.2e, 10.1a iii, 10.1 biii) IS 8130,, IS 10810 (P-5)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Elongation test on Messenger Conductor	IS 14255 + AMD 1Cl.No.10.1.b.ii, 10.2.d,CL.No 11.3:,IS 10810(P-2)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Hot set test	IS 14255 + AMD 1 Cl. No. 10.1.c.iii, 10.2.h,IS 10810 Part 30
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Melt flow index for PE insulation	IS 14255 + AMD 1 Cl.No. 10.1.d.ii,IS 10810 (P- 23)

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15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Shrinkage Test	IS 14255 + AMD 1 Cl No 10.1.c.iv, IS 5831, IS 10810 (P-12)
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Tensile strength & Elongation of PE Insulation	IS 14255 + AMD 1 Cl. No. 10.1.d.i,Table 2,IS 10810(P-7)
17	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Tensile strength and elongation at break for XLPE Insulation	IS 14255 + AMD 1 Cl. No.10.1.c.i, 10.2.g, 10.1.c.ii,Table 1 IS 5831, IS 10810 (P-7)
18	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Tensile test for Aluminium Conductor	IS 14255 + AMD 1 Cl.No.10.1.a.i, 10.2.a Table 3,IS 8130, IS 10810 (P-2)
19	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Water absorption (gravimetric)	IS 14255 + AMD 1 Cl No 10.1.c.v ,IS 10810 (Part 33) + AMD 2
20	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 V	Insulation resistance (volume resistivity test)	IS 14255 + AMD 1 Cl. No. 10.2.j, 10.1.f,IS 5831, IS 10810 (P-43)
21	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Ageing Test in Air Oven of Insulation and sheath	IS 7098 (Part 1) + AMD 5(Table 1, 15.1.d.ii, 15.1.e.ii), IS 5831, IS 10810 (P-11)
22	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Annealing Test for Copper Conductor	IS 7098 (Part 1) + AMD 5 Cl.No. 15.1.a.i, 15.2 a,IS 8130, IS 10810 (P-1)
23	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR Oxygen Index Test	IS 7098 Part 1 + AMD 5(Cl.15.1.1.C1.a) (Cl. 16.4),(Cl.15.1.1.C2.a)(Cl.15.2.1 .C1.a),(Cl.15.1.1.C2.a),IS 10810 (P-58)
24	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR Oxygen Index Test	ASTM D2863
25	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR Temperature Index Test	IS 7098 Part 1 + AMD 5(Cl.16.9) (Cl.15.1.1.C1. d)(Cl.15.1.1.C2. g),IS 10810 (P-64)
26	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages upto and Including 1100 V	Conductor Resistance Test	"IS 7098 Part 1 + AMD 5 (Cl 15.1a. iv) (15.3a) (15.2d), IS 10810 (P-5)"
27	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR-LSH Halogen Acid Gas Test	IEC 60754-1

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28	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR-LSH Halogen Acid Gas Test	IS 7098 Part 1 + AMD 5 (Cl.15.1.1.C2. f) (Cl. 16.8) (Cl.15.2.1.C2. d),IS 10810 (P-59)
29	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR-LSH Oxygen Index Test	IS 7098 Part 1 + AMD 5(Cl.15.1.1.C1.a) (Cl. 16.4),(Cl.15.1.1.C2.a)(Cl.15.2.1.C1.a),(Cl.15.1.1.C2.a),IS 10810 (P-58)
30	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR-LSH Oxygen Index Test	ASTM D2863
31	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Category FR-LSH Temperature Index Test	IS 7098 Part 1 + AMD 5(Cl.16.9) (Cl.15.1.1.C1. d)(Cl.15.1.1.C2. g),IS 10810 (P-64)
32	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Cold Bend Test, Mandrel Dia 5.5 mm to 90 mm	IS 7098 Part 1 + AMD 5(Cl.15.4a), IS 10810 (P-20),Amend.-4
33	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Cold Impact Test	IS 7098 Part 1 + AMD 5(Cl.15.4b),IS 5831, IS 10810 (P-21),Amend.-4
34	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Dimensions of Armour	IS 7098 (Part 1) + AMD 5 Cl.No. 13.3, 15.1.b,IS 10810(P-36)
35	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Flame retardance test on bunched cables	IS 7098 Part 1 + AMD 5 (Cl.16.11) (Cl.15.1.1.C1.c)(Cl.15.1.1.C2.c), IS 10810(P-62)
36	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Flame retardance test on single cable	IS 7098 Part 1 + AMD 5 (Cl.16.5)(Cl.15.1.1.C1. b),(Cl.15.1.1.C2.b)(Cl.15.2.1.C1.b),(Cl.15.2.1.C2. b),IS 10810 (P-61)
37	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Flammability Test	IS 7098 Part 1 + AMD 5(Cl.15.1h) (Cl.16.3), IS 10810 (P-53)
38	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Heat Shock Test	IS 7098 Part 1 + AMD 5 (Cl15.1e.vi), IS 5831 + (Table 2 Sl. No. v), IS 10810 (P-14)
39	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	High Voltage Test (AC) (At Room Temperature)	IS 7098 Part 1 + AMD 5(Cl.15.1. g) (Cl. 16.2) (15.3b)(15.2h), IS 10810 (P-45)

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40	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Hot Deformation Test	IS 7098 Part 1 + AMD 5 (Cl.15.1e. v), IS 5831, IS 10810 (P-15)
41	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Hot set test	IS 7098 Part 1 + AMD 5 (Cl.15.1d.iii) (Table 1 S.No. iv) (Cl.15.2f),IS 10810 Part 30
42	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Loss of mass in air oven	IS 7098 Part 1 + AMD 5(Cl.15.1e.iii), IS 5831) (Table 2 Sl. No. iii), IS 10810 (P-10)
43	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Mass of zine coating	IS 7098 (Part 1) + AMD 5 Cl.No. 13.6 f,15.1.b,IS 10810 (P- 41)
44	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Resistivity	IS 7098 (Part 1) + AMD 5 Cl.No. 13.6 g, 15.1.b, 15.3.c),IS 10810 Part 42 + AMD 1
45	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Resistivity of Armour	IS 7098 Part 1 + AMD 5 (Cl15.1f.) Table(1), IS 10810 (P-43)
46	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Shrinkage Test	IS 7098 Part 1 + AMD 5 (Cl.15.1d. iv) (Table 1 S.No. v) (Cl.15.1e. iv), IS 5831, IS 10810 (P-12)
47	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Tensile strength and elongation at break	IS 7098 (Part 1) + AMD 5 Table1, 15.1.d.i, 15.1.e.i, 15.2.g),IS 5831, IS 10810 (P-7)
48	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Tensile Strength for Aluminium Conductor	IS 7098 (Part 1) + AMD 5 Cl.No. 15.1.a.ii, 15.2 b,IS 8130, IS 10810 (P-2)
49	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Tensile Strength on Armour	IS 7098 Part 1 + AMD 5 (Cl.13.6 a) (Cl.15.1b.2.i),IS 10810 (P-37)
50	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Thermal stability	IS 7098 Part 1 + AMD 5 (Cl15.1e.vii),IS 5831 (Table 2 Sl. No. XI), IS 10810 (P-60)
51	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	Thickness of Insulation/Sheath	IS 7098 (Part 1) + AMD 5 Cl.No. 9, 12, 14, 15.1.c, 15.2.e),IS 10810(P-6)
52	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Torsion test for round wires	IS 7098 Part 1 + AMD 5 (3)(Cl.13.6 c) (Cl.15.1b.2.iii),IS 3975 (Cl. 8.2) (Table 6),,IS 10810 (P-38)

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53	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V	TS & Elongation at Break of Armouring Materials	IS 7098 Part 1 + AMD 5 (Cl.13.6 a,b) (Cl.15.1b.2.i,ii),IS 10810 (P-37)
54	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Uniformity of zinc coating	IS 7098 Part 1 + AMD 5 (Cl.13.6 e) (Cl.15.1b.2.v),IS 3975(CL9.2),,IS 10810(P-40)+ AMD 1
55	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Water absorption (gravimetric)	IS 7098 Part 1 + AMD 5 (Cl.15.1e. v), IS 5831, IS 10810 (P-15)
56	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Winding test for formed wires	IS 7098 Part 1 + AMD 5 (Cl.13.6 d) (Cl.15.1b.2.iv),IS 3975,,IS 10810 (P-39)
57	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Wrapping Test for Aluminium Conductor	IS 7098 Part 1 + AMD 5 (Cl15.1a.iii) (Cl.15.2c),IS 8130, IS 10810 (P-3)
58	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC, Thermoplastic Sheathed Cables	Category FR- LSH Smoke Density Test	ASTM- D2843
59	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Ageing Test in Air Oven of Insulation and sheath	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.iii.b) (Table 1S.No.1.iii) (Cl.19.1 Sl.No.1.vi.b) (Table 3 S.No.1 ii) (Cl. 5)), IS 5831, IS 10810 (P-11)
60	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Annealing Test for Copper Conductor	IS 7098 (Part 2) + AMD 1 Cl.No.19.1.i.a,19.2a, IS 8130, IS 10810 (P-1)
61	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Bending test	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.viii, 20.3,IS 10810 (Part 50)
62	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Carbon black content of polythene sheath	IS 7098 Part 2 + AMD 1 (Cl.19.1 Sl.No.1.vi.h) (Table 3 Sl.No.1.iii),IS 10810(P- 32)
63	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR Oxygen Index Test	ASTM D2863
64	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR Oxygen Index Test	IS 7098 Part2+AMD1(Cl.19.1.3.Category.C1.a)(Cl.20.10)(Cl.19.1.3.Category.C2.a)(Cl.19.2.2.Category.C1.a)(Cl.19.2.2.Category.C2.a),IS 10810 (P-58)

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65	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR Temperature Index Test	IS 7098 Part2+AMD1(Cl.19.1.3.Category.C1.d) (Cl.20.15) (Cl.19.1.3.Category.C2.f),IS 10810(P-64)
66	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR-LSH Halogen Acid Gas Test	IEC 60754-1
67	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR-LSH Halogen Acid Gas Test	IS 7098 Part2+AMD1(Cl.19.1.3.Category.C2.e) (Cl.19.2.2.Category.C2.d)(Cl.20.13),IS 10810 (P-59)
68	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR-LSH Oxygen Index Test	ASTM D2863
69	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR-LSH Oxygen Index Test	IS 7098 Part2+AMD1(Cl.19.1.3.Category.C1.a)(Cl.20.10)(Cl.19.1.3.Category.C2.a)(Cl.19.2.2.Category.C1.a)(Cl.19.2.2.Category.C2.a),IS 10810 (P-58)
70	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Category FR-LSH Temperature Index Test	IS7098Part2+AMD1(Cl.19.1.3.Category.C1.d) (Cl.20.15) (Cl.19.1.3.Category.C2.f),IS 10810(P-64)
71	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Cold Impact Test	IS 7098 (Part 2) + AMD 1 Cl.No. 19.4 ,IS 5831, IS 10810 (P-21),Amend.-4
72	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kv up to and including 33 kV	Conductor Resistance Test	IS 7098 (Part 2) + AMD 1 Cl No.19.1.i.d, 19.2.d, 19.3 a, IS 10810 (P-5)
73	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Dimensions of Armour	IS 7098 (Part 2) + AMD 1 Cl.No. 17.3, 19.1.ii, Table 6,IS 10810(P-36)
74	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Elongation at Break of Armouring Materials	IS 7098 Part 2 + AMD 1(Cl.19.1.Sl.No.1.ii),IS 10810 (P-37)
75	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Flame retardance test on bunched cables	IS 7098 (Part 2) + AMD 1 Cl No. 20.12, 19.2.2,IS 10810(P-62)

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76	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Flame retardance test on single cable	IS 7098 (Part 2)+ AMD 1 Cl No. 20.11, 19.2.2,IS 10810 (P- 61) + AMD 1
77	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Flammability Test for PVC Sheathed Cables	IS 7098 Part 2 + AMD 1 (Cl.19.1 Sl.No.1.xv) (Cl.20.8),10810 (P-53)
78	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Heat Shock Test	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.vi.f) , IS 5831 (Table 2 Sl. No. v), IS 10810 (P-14)
79	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	High Voltage Test (AC) (At Room Temperature)	IS 7098 Part 2 + AMD 1 (Cl.19.1 Sl.No.1.xiv) (Cl.20.7) (Cl.19.2.j) (Cl.19.3.c)Q,IS 10810 (P-45)
80	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Hot Deformation Test	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.vi.d) (Table 3Sl.No.1.iv), IS 5831, IS 10810 (P-15)
81	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Hot set test	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.iii.d) (Table 1Sl.No.1.iv) (Cl.19.2.f) (Cl. 5),IS 10810 Part 30
82	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Loss of mass in air oven	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.vi.e), IS 5831(Table 2 Sl. No. iii), IS 10810 (P-10)
83	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Mass of zine coating	IS 7098 (Part 2) + AMD 1 Cl.No. 19.1.ii,IS 3975 (Cl. 9.1) (Cl. 9.1.1),,IS 10810 (P- 41)
84	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Partial discharge test	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.viii, 19.2.h, 19.3.b, 20.2,IS 10810 (Part 46)
85	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Resistivity of semi-conducting screen	IS 7098 (Part 2) + AMD 1: Cl. No. 19.1.v.b, Table 2 Annex-E
86	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Resistivity	IS 7098 (Part 2) + AMD 1 Cl.No. 19.1.ii, 19.3 d, 15.3.c),IS 10810 Part 42 + AMD 1
87	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Shrinkage Test	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.iii.e) (Table 1S.No.1.v) (Cl.19.1 Sl.No.1.vi.c) (Cl. 5),IS 5831, IS 10810 (P-12)

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88	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Tensile strength and elongation at break	IS 7098 (Part 2) + AMD 1 Table1, 19.1.iii.a, 19.1.vi.a, 19.2.g),IS 5831, IS 10810 (P-7)
89	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Tensile Strength for Aluminium Conductor	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.i.b) (Cl.19.2.b),IS 8130, IS 10810 (P-2)
90	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Tensile Strength on Armour	IS 7098 Part 2 + AMD 1(Cl.19.1.Sl.No.1.ii),IS 10810 (P-37)
91	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Test for strippability of semiconducting strippable insulation screen	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.v.a, Table 2 Annex-B
92	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Test for thickness of insulation (eccentricity) and sheath	IS 7098 (Part 2)+ AMD1 Cl. No.12, 16, 18.3,19.1.iv,19.2.e,Table 4,5,7,IS 10810(P-6)
93	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Thermal ageing test for complete cable	IS 7098 Part 2 + AMD 1 (Cl.19.1 Sl.No.1.vii) (Cl.20.9) (Table 3 S.No.1 ii) (Table 1 S.No.1.iii),IS 10810 Part 11
94	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Thermal stability	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.vi.f),IS 5831 (Table 2 Sl. No. XI), IS 10810 (P-60)
95	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Torsion test for round wires	IS 7098 (Part 2) + AMD 1 Cl.No. 17.3, 19.1.ii, Table 6,IS 10810(P-38)
96	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Uniformity of zinc coating	IS 7098 Part 2 + AMD 1(Cl.19.1.Sl.No.1.ii),IS 3975(CL9.2),IS 10810(P-40)+ AMD 1
97	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Water absorption (gravimetric)	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.iii.f) (Table 1S.No.1.vi) (Cl. 5),,IS 5831 + AMD 2 (Table 1 Sl.No. XV ,IS 10810 (Part 33) + AMD 2
98	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Winding test for formed wires	IS 7098 Part 2 + AMD 1 (Cl.19.1 Sl.No.1.ii.),IS 3975, ,IS 10810 (P-39)
99	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 3.3 kV up to and including 33 kV	Wrapping Test for Aluminium Conductor	IS 7098 Part 2 + AMD 1(Cl.19.1 Sl.No.1.i.c) (Cl.19.2.c),IS 8130, IS 10810 (P-3)

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100	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables For working voltages from 66 kV up to and including 220 kV	Shrinkage Test for Insulation	IS 7098 Part 3 (Cl.19.1(b) Sl.No.(v) (Table 2 S.No.(v) (Cl. 5),IS 5831, IS 10810 (P-12)
101	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Thickness of Metallic Sheath	IS 7098 (Part 3) Cl. No.19.1(e) Cl.No. 20.5,IS 10810(P-34)
102	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Ageing Test in Air Oven of Insulation and sheath	IS 7098 Part 3 (Cl.19.1 Sl.No.(b)(iii) Table 2 S.No.(iii) (Cl.19.1 Sl.No.1.vi.b) (Table 3 S.No.1 ii) (Cl. 5)), IS 5831, IS 10810 (P-11)
103	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Annealing Test for Copper Conductor	IS 7098 (Part 3) + Cl.No.19.1a(i),19.2.1(b), IS 8130 + AMD 1 (Cl.7.1.2.1) (Cl.7.2.3, IS 10810 (P-1)
104	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Bending test	IS 7098 (Part 3) Cl. No. 19.1(m), Cl. No.20.11,IS 10810 (Part 50)
105	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Carbon black content of polythene sheath	IS 7098 Part 3 + AMD 1 (Cl.19.1(g) Sl.No.3.(i), Cl.No. 8.3,IS 10810(P- 32)
106	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR Oxygen Index Test	ASTM D2863
107	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR Oxygen Index Test	IS 10810 (P-58)
108	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR Temperature Index Test	IS 10810(P-64)
109	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR-LSH Halogen Acid Gas Test	IEC 60754-1
110	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR-LSH Halogen Acid Gas Test	IS 10810 (P-59)
111	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR-LSH Oxygen Index Test	ASTM D2863
112	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR-LSH Oxygen Index Test	IS 10810 (P-58)

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113	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Category FR-LSH Temperature Index Test	IS 10810(P-64)
114	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Diameter of the Armour wire	IS 7098 (Part 3) CL NO. 17.2 Table 8,AMD 1 Cl.No. 19.1(f)(i) & CL No. 20.6,IS 10810(P-36)
115	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Dimension of conductor screening and Insulation screening	IS 7098 (Part 3)Cl.No. 12.2 & 14.2.2
116	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Flame retardance test on bunched cables	IS 10810(P-62)
117	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Flame retardance test on single cable	IS 10810 (P- 61) + AMD 1
118	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Flammability Test For PVC Sheathed Cables	IS 7098 Part 3(Cl.19.1(h)(Cl.20.7),10810 (P-53)
119	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Flexibility class for conductor	IS 7098 (Part 3) of Cl. No. 11.1
120	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Heat Shock Test for PVC Sheath	IS 7098 Part 3 (Cl.19.1(g) Sl.No.2(vi), IS 5831 + AMD 2 (Table 1 Sl.No. vii) (Table 2 Sl. No. v), IS 10810 (P-14)
121	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	High Voltage Test (AC) (At Room Temperature)	IS 7098 Part 3 (Cl.19.2.1(j), (Cl.19.2.1(c),(Cl.20.17),IS 10810 (P-45)
122	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Hot Deformation Test for polythene sheath	IS 7098 Part 3 Cl.19.1(g) Sl.No.3.(ii),CL. No. 8.3,IS 10810(P-15)
123	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Hot Deformation Test for PVC Sheath	IS 7098 (Part 3) Cl.19.1(g) Sl.No.2(v) (Table 3Sl.No.1.iv), IS 5831, IS 10810 (P-15)
124	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Hot set test for Insulation	IS 7098 Part 3 (Cl.19(b) Sl. No.(iv),(Table 2 Sl.No.1.iv).IS 10810 Part 30
125	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Longitudnal Water tightness test	IS 7098 Part 3+ AMD (Cl.19.1(J),(Cl.20.8.1 & 20.8.3)

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126	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Loss of mass in air oven for PVC Sheath	IS 7098 Part 3 (Cl.19.1(g) Sl.No.2(iii), IS 5831 + AMD 2 (Table 1 Sl.No. v) (Table 2 Sl. No. iii), IS 10810 (P-10)
127	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Number of strands for conductor	Table 2 of IS 8130
128	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Partial discharge test	IS 7098 (Part 3) Cl. No. 19.2.1(h),Cl. No. 19.3.1(b),Cl. No.20.10,IS 10810 (Part 46)
129	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Resistivity of semi-conducting screen after ageing	IS 7098 (Part 3) Cl. No. 19.1.(k),Cl. No. 20.9.1 Annex-C
130	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Resistivity of semi-conducting screen	IS 7098 (Part 3) Cl. No. 19.1.(c),Cl. No. 20.2.4 Annex-C
131	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Shrinkage Test for PVC Sheath	IS 7098 (Part 3) (Cl.19.1(g) Sl.No.2(vi), (Table 3Sl.No.1.iv), IS 5831, IS 10810 (P-12)
132	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Tensile strength and elongation at break before and after ageing for polythene sheath	IS 7098 (Part 3) CL No. 19.1 b(ii)Table 2 S.No.(i),IS 10810 (P-7)
133	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Tensile strength and elongation at break for Insulation	IS 7098 (Part 3) CL No. 19.1 b(ii)Table 2 S.No.(i),IS 5831,IS 10810 (P-7)
134	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Tensile Strength for Aluminium wire (before stranding)	IS 8130Cl.No. 4.1, 7.2.1, IS 10810 (P-2)
135	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Tensile Strength on Armour	Cl.No. 4.1, 7.2.1,IS 8130, IS 10810 (P-2)
136	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Test for concentric copper wire/tape	IS 7098 (Part 3)+ AMD Cl. No. 19.1.(d) Sl. No. (i),Cl. No. 20.4
137	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Test for thickness and Dimension of insulation (eccentricity) and sheath	IS 7098 (Part 3)+ AMD1 Cl. No.13, 16.2(Table 7), 19.1(b) Sl.No.(i)(Table 5),20.16,IS 5831,IS 10810(P-6)

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138	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Thermal ageing test for complete cable	IS 7098 Part 3 (Cl.19.1(k) Sl.No.(i)),(Cl.20.9.1) (Table 3 S.No.1 ii) (Table 1 S.No.1.iii),IS 10810 Part 11
139	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Thermal stability for PVC Sheath	IS 7098 Part 3 (Cl.19.1(g) Sl.No.2(vii),IS 5831 + AMD 2 (Table 1 Sl.No. xiii) (Table 2 Sl. No. XI), IS 10810 (P-60)
140	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Wrapping Test for Aluminium wire (before stranding)	IS 8130Cl.No. 7.2.2, IS 10810 (P-3)
141	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kV up to and including 220kV	Wrapping Test for Aluminium wire	Cl.No. 7.2.2,IS 8130, IS 10810 (P-3)
142	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages from 66 kv upto and including 220 kV	Conductor Resistance Test	IS 7098 (Part 3) Cl No.19.1 a(ii),19.2.1(a) & 19.3.1, Cl. No. 7.3 & 7.3.1 of IS 8130 , IS 10810 (P-5)
143	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Additional Ageing Tests	IS 694 Cl. 10.9 Table-1(iii)e}6
144	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Ageing Test in Air Oven of Insulation and sheath	IS 694 Table-1(iii)c)3),d)3) IS 5831, IS 10810 (P-11)
145	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Annealing Test for Copper Conductor	IS 694Table-1(iii)a)1) IS 8130, IS 10810 (P-1)
146	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR- LSH Smoke Density Test	IS 694 + AMD 4 (Table 1.ii.p) (Table 1.iii.c.14) (Table1.iii.d.11) (Cl. 10.8),ASTM D2843
147	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR Oxygen Index Test	IS 694 Cl. 10.5 &Table-1(iii)c)11,d) 8, IS 10810 (P-58)
148	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR Oxygen Index Test	ASTM D2863
149	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR Temperature Index Test	IS 694 Cl. 10.7 &Table-1(iii)c)12,d)9, IS 10810 (P-64)

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150	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR-LSH Halogen Acid Gas Test	IEC 60754-1
151	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR-LSH Halogen Acid Gas Test	IS 694 Cl. 10.6 &Table-1(iii)c)13,d)10, IS 10810 (P-59)
152	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR-LSH Oxygen Index Test	ASTM D2863
153	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR-LSH Oxygen Index Test	IS 694 Cl. 10.5 &Table-1(iii)c)11,d}8, IS 10810 (P-58)
154	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Category FR-LSH Temperature Index Test	IS 694 Cl. 10.7 &Table-1(iii)c)12,d}9, IS 10810 (P-64)
155	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Cold Bend Test,Mandrel Dia 5.5 mm to 90 mm	IS 694 AMD 4(Table-1(iii)c)8), IS 5831, IS 10810 (P-20)
156	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Cold Impact Test on Insulation & Sheath	IS 694 AMD 4 Table-1(iii)c)9),IS 5831, IS 10810 (P-21
157	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed And Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Conductor Resistance Test	IS 694,Table-1(i)a&iii(4), IS 10810 (P-5)
158	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Elongation for Insulation/Sheath	IS 694 , Cl. 10 &Table-1(iii)c)1),d)1) IS 5831, IS 10810 (P-7)
159	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Flammability Test	IS 694 Cl. 10.4 & Table-1(iii)c)10,e)5, IS 10810 (P-53)
160	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Heat Shock Test	IS 694 Table-1(iii)c)4),d)4) IS 5831, IS 10810 (P-12)
161	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	High Voltage Test (AC) (At Room Temperature)	IS 694 Cl. 10.2 Table-1(iii)e}4, IS 10810 (P-45)
162	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	High Voltage Test (DC) (Water Immersion)	IS 694 Cl. 10.1 &Table-1(iii)e}1, IS 10810 (P-45)
163	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	High Voltage Test or Spark Test	IS 694 Cl. 10.2 or10.3 Table-1(iii)e}2, IS 10810 (P-44 / P-45)

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164	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Hot Deformation Test	IS 694 Table-1(iii)c)6),d)6) IS 5831, IS 10810 (P-15)
165	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Insulation Resistance Test(Volume Resistivity at Room Temperature)	IS 694 Table-1(iii)e)3) IS 5831, IS 10810 (P-43)
166	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Loss of Mass Test	IS 694 Table-1(iii)c)2),d)2) IS 5831, IS 10810 (P-10)
167	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Persulphate Test	IS 694:2010, Cl. 10.11 &Table-1(iii)a)5), Cl. 7.1.1 of IS 8130, IS 10810 (P-4)
168	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Shrinkage Test	IS 694 Table-1(iii)c)4),d)4) IS 5831, IS 10810 (P-12)
169	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Tensile Strength for Aluminium Conductor	IS 694 Table-1(iii)a)2) IS 8130, IS 10810 (P-2)
170	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Tensile Strength for Insulation/Sheath	IS 694 Table-1(iii)c)1),d)1) IS 5831, IS 10810 (P-7)
171	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid and flexible conductor for rated voltages up to and including 1100 V	Thermal stability	IS 694 Table-1(iii)c)7), d)7) IS 5831, IS 10810 (P-60)
172	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Thickness of Insulation/Sheath	IS 694:2010, Cl. 5.3, 8.3 & Table-1 (iii)b) IS 10810 (P-6)
173	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for rated voltages up to and including 1100 V	Wrapping Test for Aluminium Conductor	IS 694 Table-1(iii)a)3) IS 8130, IS 10810 (P-3)
174	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Ageing Test in Air Oven of Insulation and sheath	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.d.2, IS 5831, IS 10810 (P-11)
175	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Annealing Test for Copper Conductor	IS 1554 (Part 1) + AMD 5 Cl.No. 15.1.a.1, 15.2.a,IS 8130, IS 10810 (P-1)
176	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR Oxygen Index Test	IS 1554 Part 1 + AMD 5 (Cl.15.1.1.C1.a) (Cl. 16.5) (Cl.15.1.1.C2.a) (Cl.15.2.1.C1.a) (Cl.15.2.1.C2.a),IS 10810 (P-58)

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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
177	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR Oxygen Index Test	ASTM D2863
178	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR Temperature Index Test	IS 1554 Part 1 + AMD 5 (Cl.16.10) (Cl.15.1.1.C1. d) (Cl.15.1.1.C2. g),IS 10810 (P-64)
179	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR-LSH Halogen Acid Gas Test	IEC 60754-1
180	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR-LSH Halogen Acid Gas Test	IS 1554 Part 1 + AMD 5 (Cl. 15.1.1.C2. f) (Cl. 16.9) (Cl.15.2.1.C2.d),IS 10810 (P-59)
181	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR-LSH Oxygen Index Test	IS 1554 Part 1 + AMD 5 (Cl.15.1.1.C1.a) (Cl. 16.5) (Cl.15.1.1.C2.a) (Cl.15.2.1.C1.a) (Cl.15.2.1.C2.a),IS 10810 (P-58)
182	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR-LSH Oxygen Index Test	ASTM D 2863
183	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Category FR-LSH Temperature Index Test	IS 1554 Part 1 + AMD 5 (Cl.16.10) (Cl.15.1.1.C1. d) (Cl.15.1.1.C2. g),IS 10810 (P-64)
184	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Cold Bend Test,Mandrel Dia 5.5 mm to 90 mm	IS 1554 Part 1 + AMD 5(Cl.15.4a), IS 5831, IS 10810 (P-20),Amend.-4
185	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Cold Impact Test	IS 1554 Part 1 + AMD 5(Cl.15.4b) ,IS 5831, IS 10810 (P-21),Amend.-4
186	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 V	Conductor Resistance Test	IS 1554 Part 1 + AMD 5 (Cl 15.1a.4) (15.3a) (15.2d),IS 8130, IS 10810 (P-5)
187	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Dimensions of Armour	IS 1554 Part 1 + AMD 5 (Cl.15.1b.1) (Cl.13.3) (Table 5),IS 10810(P-36)
188	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Elongation at Break of Armouring Materials	IS 1554 Part 1 + AMD 5 (Cl. 13.6 a) (Cl.15.1b.2.ii),IS 10810 (P-37)
189	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Flame retardance test on bunched cables	IS 1554 Part 1 + AMD 5 (Cl. 16.7) (Cl.15.1.1.C1.c) (Cl.15.1.1.C2.c),IS 10810(P-62)

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190	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Flame retardance test on single cable	IS 1554 Part 1 + AMD 5 (Cl. 16.6) (Cl.15.1.1.C1. b) (Cl.15.1.1.C2. b) (Cl.15.2.1.C1. b) (Cl.15.2.1.C2. b),IS 10810 (P-61)
191	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Flammability Test	IS 1554 Part 1 + AMD 5(Cl.16.4) (Cl.15.1h)(CL.16.4), IS 10810 (P-53)
192	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Heat Shock Test	IS 1554 (Part 1) + AMD 5 Cl.No. 15.1.d.6, IS 5831, IS 10810 (P-14)
193	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	High voltage test (water immersion test)	IS 1554 Part 1 + AMD 5 (Cl. 15.1 g) (Cl. 16.2), IS 10810 (P-45)
194	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Hot Deformation Test	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.d.4, IS 5831, IS 10810 (P-15)
195	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Insulation Resistance Test	IS 1554 Part 1 + AMD 5 (Cl.15.1e) (Cl.15.2g),IS 5831, IS 10810 (P-43)
196	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Mass of zine coating	IS 1554 Part 1 + AMD 5 (Cl. 13.6 f) (Cl.15.1b.2.vi),IS 3975 (Cl. 9.1) (Cl. 9.1.1),,IS 10810 (P- 41)
197	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Resistivity	IS 1554 Part 1 + AMD 5 (Cl. 13.6 g) (Cl.15.1b.2.vii) (Cl.15.4c) ((Cl.15.3c) (Table 6) (Cl.13.5.1) (Cl.13.5.2,IS 3975(CL 8.4) ,,IS 10810 Part 42 + AMD 1
198	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Shrinkage Test	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.d.3, IS 5831, IS 10810 (P-12)
199	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Tensile strength and elongation at break	IS 1554 Part 1 + AMD 5 (Cl15.1d. 1) (Cl.15.2f)IS 5831, IS 10810 (P-7)
200	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Tensile Strength for Aluminium Conductor	IS 1554 Part 1 + AMD 5 (Cl15.1a. 2) (Cl.15.2b)IS 8130, IS 10810 (P-2)
201	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Tensile Strength on Armour	IS 1554 Part 1 + AMD 5 (Cl. 13.6 a) (Cl.15.1b.2.i),IS 10810 (P-37)

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202	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Thermal stability	IS 1554 (Part 1) + AMD 5 Cl.No.15.1.d.7, IS 5831, IS 10810 (P-60)
203	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Thickness of Insulation/Sheath	IS 1554 (Part 1) + AMD 5 Cl.No. 9, 12, 14, 15.1.c, 15.2.e,Table2,Table4,Table7,IS 10810(P-6)
204	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Torsion test for round wires	IS 1554 Part 1 + AMD 5(3) (Cl. 13.6(c)) (Cl.15.1b.2.iii),IS 3975 (Cl. 8.2) (Table 6),IS 10810 (P-38)
205	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Uniformity of zinc coating	IS 1554 Part 1 + AMD 5 (Cl. 13.6(e)) (Cl.15.1b.2.v),IS 3975(CL9.2),,IS 10810(P-40)+ AMD 1
206	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Winding test for formed wires	IS 1554 Part 1 + AMD 5 (Cl.13.6(d)) (Cl.15.1b.2.iv),IS 3975,,IS 10810 (P-39)
207	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 V	Wrapping Test for Aluminium Conductor	IS 1554 Part 1 + AMD 5 (Cl15.1a. 3) (Cl.15.2c)IS 8130, IS 10810 (P-3)
208	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for working voltages upto and including 1100 V	Loss of mass in air oven	IS 1554 (Part 1) + AMD 5 Cl.No. 15.1.d.5, IS 5831, IS 10810 (P-10)