National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BONTON CABLES (INDIA) PRIVATE LIMITED, A-115, PHASE-1, RIICO INDUSTRIAL AREA, 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
LOCATION 1-A-115, PHASE-1, RIICO INDUSTRIAL AREA, BHIWADI, ALWAR, RAJASTHAN, INDIA Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Adhesion Test	IS 3975
2	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Annealing Test for Wires used in Conductors	IS 7098 (Part 1, Clause 15.1(a)-i), IS 10810 (Part 1)
3	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Cold Bend Test	IS 7098 (Part 1, Clause 15.4(a)), IS 10810 (Part 20)
4	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, Clause 15.4(b)), IS 10810 (Part 21)
5	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Conductor Resistance Test	IS 7098 (Part 1, Clause 15.1(a)-iv), IS 10810 (Part 5)
6	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Dimensions of Armouring Material	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 36)
7	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Elongation % Break (after Ageing)	IS 7098 (Part 1, Clause 15.1(d)i, 15.1(e)i), IS 10810 (Part 11)
8	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Elongation % Break of Insulation and Sheath	IS 7098 (Part 1, Clause 15.1(d)i, 15.1(e)i), IS 10810 (Part 7 & 11)
9	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Flame Retardant Test for Bunched Cables	IS 7098 (Part 1, Clause 16.11), IS 10810 (Part 62)
10	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Flame Retardant Test for Single Cables	IS 7098 (Part 1, Clause 16.11), IS 10810 (Part 62)
11	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, Clause 16.3), IS 10810 (Part 53)
12	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	HCl Acid Gas Generation Test	IS 7098 (Part 1, Clause 16.13), IS 10810 (Part 59)
13	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, Clause 15.1(e)-vi), IS 10810 (Part 14)

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14	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	High Voltage	IS 7098 (Part 1,Clause 16.2), IS 10810 (Part 45)
15	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, Clause 15.1(e)v), IS 10810 (Part 15)
16	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, Clause 4.1, Table-1), IS 10810 (Part 30)
17	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Insulation Resistance (Volume Resistivity)	IS 7098 (Part 1, Clause 4.1, Table-1), IS 10810 (Part 43)
18	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Loss of Mass Test	IS 7098 (Part 1, Clause 15.1(e)iii), IS 10810 (Part 10)
19	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Mass of Zinc Coating	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 41)
20	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Oxygen Index Test	IS 7098 (Part 1,Clause 16.9), IS 10810 (Part 58)
21	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, Clause 15.1(d) iv, 15.1(e) iv), IS 10810 (Part 12)
22	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Smoke Density Test	IS 7098 (Part 1, Clause 16.15), IS 10810 (Part 63)
23	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Temperature Index Test	IS 7098 (Part 1, Clause 16.14), IS 10810 (Part 64)
24	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Tensile Strength (after Ageing)	IS 7098 (Part 1, Clause 15.1(d)i, 15.1(e)i), IS 10810 (Part 11)
25	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Tensile Strength of Insulation and Sheath	IS 7098 (Part 1, Clause 15.1(d) i ,15.1(e) i), IS 10810 (Part 7 & 11)
26	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Tensile Strength Test for Aluminium Wire	IS 7098 (Part 1, Clause 15.1(a) ii), IS 10810 (Part 2)
27	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Tensile Strength Test for Armour Wire	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 37)

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28	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Thermal Stability of PVC Insulation and Sheath	IS 7098 (Part 1, Clause 15.1(e) vii), IS 10810 (Part 60)
29	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Thickness of Insulation & Sheath/ Overall Dimensions	IS 7098 (Part 1, Clause 9.2, 9.3, 14.3.1 & 14.3.2), IS 10810 (Part 6)
30	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Torsion Test	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 38)
31	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, Clause 15.1(b)), IS 10810 (Part 40)
32	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Water Absorption Test (Gravimetric)	IS 7098 (Part 1, Clause 4.1, Table-1), IS 10810 (Part 33)
33	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Winding Test on Galvanized Steel Strip for Armouring	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 39)
34	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for working voltages up to and including 1100 V	Wrapping Test (for aluminum)	IS 7098 (Part 1, Clause 15.1(a) iii), IS 10810 (Part 3)
35	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	Conductor ResistanceTest	BS EN 60228
36	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	Flame Propagation on a Single Cable	BS EN 60332-1-2
37	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	HCl Acid Gas Generation Test	EN 50267-2-1
38	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	Insulation Material	BS EN 50363-5
39	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	Insulation Resistance	BS EN 50395

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40	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	pH and Conductivity Test	EN 50267-2-1
41	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	Vertical Flame Spread of Bunched Wires and Cables	BS EN 60332-3-24
42	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated and Thermoplastic Sheathed Cables for Voltages up to and including 450/750 V for Electric Power and Lighting and having Low Emission of Smoke and Corrosive Gases when affected by fire	Voltage Test on Completed Cable	BS EN 50395
43	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Class of Conductor	BS 6724
44	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Conductor Resistance Test	BS EN 60228
45	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Flame Propagation on a Single Cable	BS EN 60332-1-2
46	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Flame Propagation on Multiple Cables	BS EN 60332-3-24
47	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Insulation Material	BS 7655-1.3
48	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Insulation Resistance Constant	BS 6469-99.2
49	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Insulation Resistance Constant Test on Oversheath	BS 6724 (Clause 18.7)
50	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Mass of Zinc Coating of Galvanised Steel Wire	BS 6724 (Table 1)

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51	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Measurement of Diameter of Round Wire Armour	BS 6724 (Clause 10.3)
52	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Ovality Test	BS 6724
53	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	pH and Conductivity Test	BS EN 60754-2
54	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Resistance of Armour	BS 6724
55	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Voltage Test on Completed Cable	BS EN 50395 (Clause 6)
56	ELECTRICAL- CABLES & WIRES	Electric Cables- Thermosetting Insulated, Armoured Cables of Rated Voltages of 600/1000 V and 1900/3300 V for Fixed Installations, having Low Emission of Smoke and Corrosive Gases when affected by Fire	Wrapping Test for Galvanised Steel Wire	BS 6724 (Clause G.3, Annex-G)
57	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Conductor Resistance Test	BS EN 60228 (Annex-A)
58	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Elongation % Break (after Ageing)	BS 7655-1.3
59	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test	BS 7846
60	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test	BS 8434-2
61	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test	BS 8491

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62	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test	BS EN 50200
63	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test	IEC 60331-21, IEC 60331-25
64	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test	IEC 60502-1
65	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Resistance Test (C.W.Z. Type)	BS 6387
66	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Propagation on a Single Cable	BS EN 60332-1-2
67	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Propagation on Multiple Cables	BS EN 60332-3-24
68	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	HCL Acid Gas Generation Test	EN 50267-2-1
69	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Hot Set Test	BS 7655-1.3
70	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Insulation Resistance	BS 7655-1.3
71	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Insulation Resistance Constant Test on Oversheath	BS 7846
72	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Mass of Zinc Coating of Galvanized Steel Wire	BS 7846

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73	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Measurement of Diameter of Round Wire Armour	BS 7846
74	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Ovality Test	BS 7846
75	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	pH and Conductivity Test	BS EN 60754-2
76	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Resistance of Armour	BS 7846
77	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Tensile Strength (after Ageing)	BS 7655-1.3
78	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Test for Resistance to Fire, Cat-F2	BS 6387
79	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Test for Resistance to Fire, Cat-F30, F60, F120	BS 8491
80	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Vertical Flame Spread of Bunched Wires and Cables	BS EN 60332-3-24
81	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Voltage Test on Completed Cable	BS EN 50395 (Clause 6)
82	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables- Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Wrapping Test for Galvanized Steel Wire	BS 7846
83	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	Electrical Resistance of Conductor	IEC 60502-1 (Clause 15.2)

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84	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	Flame Spread Test on Bunched Cables	IEC 60332-3-10, IEC 60332-3-21, IEC 60332-3-22, IEC 60332-3-23, IEC 60332-3, IEC 60332-3-24, IEC 60332-3-25
85	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	Flame Spread Test on Single Cables	IEC 60332-1
86	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	HCl Acid Gas Emission Test	IEC 60754-1
87	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	Measurement of Thickness	IEC 60502-1 (Clause 16.5)
88	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	pH and Conductivity Test	IEC 60754-2
89	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded Insulation for Rated voltages from 1 kV to 3 kV	Voltage Test	IEC 60502-1 (Clause 15.3)
90	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Adhesion Test	IS 3975
91	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Annealing Test for Wires used in Conductors	IS 1554-1 (Clause 15.1(a)1), IS 10810 (Part 1)
92	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Cold Bend Test	IS 1554-1 (Clause 15.4(a)), IS 10810 (Part 20)
93	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Cold Impact Test	IS 1554-1 (Clause 15.4(b)), IS 10810 (Part 21)
94	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Conductor Resistance Test	IS 1554-1 (Clause 15.1(a)4), IS 10810 (Part 5)
95	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Dimensions of Armouring Material	IS 1554 (Part 1, Clause 15.1(b), Table 5), IS 10810 (Part 36)
96	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Elongation % Break (after Ageing)	IS 1554 (Part 1, Clause 15.1, Clause 15.1 (d)(1 & 2)), IS 10810 (Part 11)
97	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Elongation % Break of Insulation and Sheath	IS 1554 (Part 1, Clause 15.1, Clause 15.1(d)(1 & 2)), IS 10810 (Part 7)
98	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Flame Retardant Test for Bunched Cables	IS 1554 (Part 1, Clause 16.7), IS 10810 (Part 62)
99	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Flame Retardant Test for Single Cables	IS 1554 (Part 1, Clause 16.6), IS 10810 (Part 61)
100	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Flammability Test	IS 1554 (Part 1, Clause 16.4), IS 10810 (Part 53)

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101	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	HCL Acid Gas Generation Test	IS 1554 (Part 1, Clause 16.9), IS 10810 (Part 59)
102	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, Clause 15.1(d)(6)), IS 10810 (Part 14)
103	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	High Voltage (Water Immersion) Test	IS 1554 (Part 1, Clause 16.3), IS 10810 (Part 45)
104	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	High Voltage Test	IS 1554 (Part 1, Clause 16.2), IS 10810 (Part 45)
105	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, Clause 15.1(d)(4)), IS 10810 (Part 15)
106	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Insulation Resistance (Volume Resistivity)	IS 1554 (Part 1, Clause 15.1(e)), IS 10810 (Part 43)
107	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Loss of Mass Test	IS 1554 (Part 1, Clause 15.1 (d)(5)), IS 10810 (Part 10)
108	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Mass of Zinc Coating	IS 1554 (Part 1, Clause 15.1 (b)), IS 10810 (Part 41)
109	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Oxygen Index Test	IS 1554 (Part 1, Clause 16.5), IS 10810 (Part 58)
110	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Resistivity & Conductance Test of Armour	IS 1554 (Part 1, Clause 15.1(b)), IS 10810 (Part 42)
111	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Shrinkage Test	IS 1554 (Part 1, Clause 15.1(d)(3)), IS 10810 (Part 12)
112	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Smoke Density Test	IS 1554 (Part 1, Clause 16.11), IS 10810 (Part 63)
113	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Temperature Index Test	IS 1554 (Part 1, Clause 16.10), IS 10810 (Part 64)
114	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Tensile Strength (after Ageing)	IS 1554 (Part 1, Clause 15.1, Clause 15.1 (d)(1 & 2)), IS 10810 (Part 11)
115	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Tensile Strength of Insulation and Sheath	IS 1554 (Part 1, Clause 15.1, Clause 15.1 (d)(1 & 2)), IS 10810 (Part 7)
116	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Tensile Strength Test for Aluminium Wire	IS 1554 (Part 1, Clause 15.1 (a)(2)), IS 10810 (Part 2)
117	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Tensile Strength Test for Armour Wire	IS 1554 (Part 1, Clause 15.1(b)), IS 10810 (Part 37)
118	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Thermal Stability of PVC Insulation and Sheath	IS 1554 (Part 1, Clause 15.1(d)(7)), IS 10810 (Part 60)

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119	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Thickness of Insulation & Sheath/ Overall Dimensions	IS 1554 (Part 1, Clause 9, 12, 14 & Table 2,4 & 7), IS 10810 (Part 6)
120	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Torsion Test	IS 1554 (Part 1, Clause 15.1(b)), IS 10810 (Part 38)
121	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, Clause 15.1(b)), IS 10810 (Part 40)
122	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Winding Test on Galvanized Steel Strip for Armouring	IS 1554 (Part 1, Clause 15.1(b)), IS 10810 (Part 39)
123	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 V	Wrapping Test (for aluminum)	IS 1554 (Part 1, Clause 15.1(a)(3)), IS 10810 (Part 3)
124	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Annealing Test for Wires used in Conductors	IS 694 (Table -1 (iii)a(1)), IS 10810 (Part 1)
125	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Cold Bend Test	IS 694 (Table-1 (iii)c(8)), IS 10810 (Part 20)
126	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Cold Impact Test	IS 694 (Table-1(iii)c(a)), IS 10810 (Part 21)
127	ELECTRICAL- CABLES & WIRES	PVC 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 (Clause 4.2), IS 10810 (Part 5)
128	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Elongation % Break (after Ageing)	IS 694 (Table-1(iii)c(1) & d(1)), IS 10810 (Part 11)
129	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Flammability Test	IS 694 (Clause 10.4), IS 10810 (Part 53)
130	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	HCl Acid Gas Generation Test	IS 694 (Clause 10.6), IS 10810 (Part 53)
131	ELECTRICAL- CABLES & WIRES	PVC 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(5)), IS 10810 (Part 14)
132	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	High Voltage (Water Immersion) Test	IS 694 (Clause 10.1), IS 10810 (Part 45)
133	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	High Voltage Test	IS 694 (Clause 10.2), IS 10810 (Part 45)

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134	ELECTRICAL- CABLES & WIRES	PVC 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)), IS 10810 (Part 15)
135	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Insulation Resistance (Volume Resistivity)	IS 694 (Table-1(e)3), IS 10810 (Part 43)
136	ELECTRICAL- CABLES & WIRES	PVC 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 (Clause 15.1, Table-1(iii)c(2)), IS 10810 (Part 10)
137	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Overall Diameter	IS 694 (Table 3 to 10), IS 10810 (Part 6)
138	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Oxygen Index Test	IS 694 (Clause 10.5), IS 10810 (Part 58)
139	ELECTRICAL- CABLES & WIRES	PVC 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)), IS 10810 (Part 12)
140	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Smoke Density Test	IS 694 (Clause 10.8), IS 10810 (Part 63)
141	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Temperature Index Test	IS 694 (Clause 10.7), IS 10810 (Part 64)
142	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Tensile Strength (after Ageing)	IS 694 (Table-1(iii)c(1) & d(1)), IS 10810 (Part 11)
143	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Tensile Strength of Insulation and Sheath	IS 694 (Table-1 (iii) c (1) & d(1)), IS 10810 (Part 7)
144	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Tensile Strength Test for Aluminium Wire	IS 694 (Table-1 (iii) a (2)), IS 10810 (Part 2)
145	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Thermal Stability of PVC Insulation and Sheath	IS 694 (Table 1 (iii) c (7)), IS 10810 (Part 60)
146	ELECTRICAL- CABLES & WIRES	PVC 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 (Table 3 to 10), IS 10810 (Part 6)
147	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V	Wrapping Test (for aluminum)	IS 694 (Table 1 (iii) a (3)), IS 10810 (Part 3)

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LOCATION 2 - A-6(A), KAHARANI INDUSTRIAL AREA, BHIWADI EXTN., BHIWADI, ALWAR, RAJASTHAN, INDIA Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Adhesion Test	IS 3975
2	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	After ageing, Elongation % break	IS 7098 (Part 1, Clause 15.1(d)i, 15.1(e)i), IS 10810 (Part 11)
3	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	After ageing, Tensile Strength	IS 7098 (Part 1, Clause 15.1(d)i, 15.1(e)i), IS 10810 (Part 11)
4	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Annealing test for wires used in conductors	IS 7098 (Part 1, Clause 15.1(a)-i), IS 10810 (Part 1)
5	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Cold bend test	IS 7098 (Part 1, Clause 15.4(a)), IS 10810 (Part 20)
6	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Cold impact test	IS 7098 (Part 1, Clause 15.4(b)), IS 10810 (Part 21)
7	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Conductor Resistance test	IS 7098 (Part 1, Clause 15.1(a)-iv), IS 10810 (Part 5)
8	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Dimensions of Armouring Material	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 36)
9	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Elongation % Break of Insulation and Sheath	IS 7098 (Part 1, Clause 15.1(d)i, 15.1(e)i), IS 10810 (Part 7 & 11)
10	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Flammability Test	IS 7098 (Part 1, Clause 16.3), IS 10810 (Part 53)
11	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Heat shock test	IS 7098 (Part 1, Clause 15.1(e)-vi), IS 10810 (Part 14)
12	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	High Voltage test	IS 7098 (Part 1,Clause 16.2), IS 10810 (Part 45)
13	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Hot deformation test	IS 7098 (Part 1, Clause 15.1(e)v), IS 10810 (Part 15)
14	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Hot Set Test	IS 7098 (Part 1, Clause 4.1, Table-1), IS 10810 (Part 30)
15	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Insulation Resistance (Volume Resistivity)	IS 7098 (Part 1, Clause 4.1, Table-1), IS 10810 (Part 43)
16	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Loss of mass test	IS 7098 (Part 1, Clause 15.1(e)iii), IS 10810 (Part 10)
17	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Mass of Zinc Coating	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 41)

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18	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Shrinkage test	IS 7098 (Part 1, Clause 15.1(d) iv, 15.1(e) iv), IS 10810 (Part 12)
19	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile strength of insulation and sheath	IS 7098 (Part 1, Clause 15.1(d) i ,15.1(e) i), IS 10810 (Part 7 & 11)
20	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile strength test for Aluminium Wire	IS 7098 (Part 1, Clause 15.1(a) ii), IS 10810 (Part 2)
21	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Tensile strength test for Armour Wire	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 37)
22	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Thermal stability of PVC insulation and sheath	IS 7098 (Part 1, Clause 15.1(e) vii), IS 10810 (Part 60)
23	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Thickness of Insulation& Sheath/ Overall Dimensions	IS 7098 (Part 1, Clause 9.2, 9.3, 14.3.1 & 14.3.2), IS 10810 (Part 6)
24	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Torsion Test	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 38)
25	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Uniformity of Zinc Coating	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 40)
26	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Water Absorption Test (Gravimetric)	IS 7098 (Part 1, Clause 4.1, Table-1), IS 10810 (Part 33)
27	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Winding test on Galvanized steel strip for Armouring	IS 7098 (Part 1, Clause 15.1(b)), IS 10810 (Part 39)
28	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated PVC Sheathed Cables for Working Voltages up to and including 1100 Volts.	Wrapping test (for aluminum)	IS 7098 (Part 1, Clause 15.1(a) iii), IS 10810 (Part 3)
29	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Clearity and durability test	BS EN 50396
30	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Conductor resistance test	BS EN 60228
31	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Elongation % Break (After Ageing)	BS EN 60811-1-2
32	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Elongation % break of insulation and sheath	EN 60811-1-1

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33	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Flame propagation on a single cable	BS EN 60332-1-2
34	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Hot set test	EN 60811-2-1
35	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Insulation Resistance	BS EN 50395
36	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Mean Overall dimensions	BS EN 50396
37	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Ovality	BS EN 50396
38	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Pressure test at high temperature	BS EN 60811-3-1
39	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Shrinkage test	BS EN 60811-502
40	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Tensile Strength (After Ageing)	BSEN 60811-1-2
41	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Tensile Strength of insulation and sheath	EN 60811-1-1
42	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Thickness of Insulation and sheath	BS EN50396
43	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated and thermoplastic sheathed cables for voltages up to and including 450/750 V for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire.	Voltage test on completed cable	BS EN 50395

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44	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Conductor resistance test	BS EN 60228
45	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Elongation % Break	BS EN 60811-1-1
46	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Elongation % break (After Ageing)	BS EN 60811-1-1
47	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Flame propagation on a single cable	BS EN 60332-1-2
48	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Hot Set Test	BSEN 60811-2-1
49	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Impact test at low temperature	BS EN 60811-1.4
50	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Insulation resistance constant test on over sheath	BS 6724, Clause- 18.7
51	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Mass of Zinc coating of galvanised steel wire	BS 6724, Table -1
52	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	measurement of diameter of round wire armour	BS 6724, Clause 10.3
53	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Ovality test	BS 6724
54	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	pH and conductivity test	BS EN 60754-2

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55	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Pressure test at high temperature	BS EN 60811-3-1
56	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Resistance of armour	BS 6724
57	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Shrinkage test	BS EN 60811-502
58	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Tensile strength (After ageing)	BS EN 60811-1-1
59	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Tensile strength of insulation and sheath	BSEN 60811-1-1
60	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Thickness of Insulation, Bedding, Over sheath	BS EN50396
61	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Voltage test on completed cable	BS EN 50395, Clause-6
62	ELECTRICAL- CABLES & WIRES	Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Wrapping test for galvanised steel wire	BS 6724,Clause- G.3 (Annex-G)
63	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Clearity and durability	BS EN 50396
64	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Conductor resistance test	BS EN 60228, Annex- A
65	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Elongation % Break	BS EN 60811-1-1

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66	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Elongation % Break (After Ageing)	BS 7655-1.3
67	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Fire Resistance Test	BS 8491
68	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Flame propagation on a single cable	BS EN 60332-1-2
69	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Hot Set Test	BS 7655-1.3
70	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Insulation Resistance	BS 7655-1.3
71	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Insulation resistance constant test on over sheath	BS 7846
72	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Mass of Zinc coating of galvanized steel wire	BS 7846
73	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Measurement of diameter of round wire armour	BS 7846
74	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Ovality test	BS 7846
75	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Ozone resistance test	EN 50396-2-1
76	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	pH and conductivity test	BS EN 60754-2

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77	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Pressure test at high temperature	BS EN 60811-3-1
78	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Resistance of armour	BS 7846
79	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Shrinkage test	BS EN 60811-502
80	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Tensile Strength (After Ageing)	BS 7655-1.3
81	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Tensile strength of insulation and sheath	BS EN 60811-1-1
82	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Test for resistance to fire, Cat-F2	BS 6387
83	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Test for resistance to fire, Cat-F30,F60,F120	BS 8491
84	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Thickness of Insulation & sheath	BS EN50396
85	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Thickness of Insulation, Bedding, Over sheath	BS EN 50396
86	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Vertical flame spread of bunched wires and cables	BS EN 60332-3-24
87	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Voltage test on completed cable	BS EN 50395, Clause-6

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88	ELECTRICAL- CABLES & WIRES	Fire Survival Electric Cables. Thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 Volts for fixed installations, having low emission of smoke and corrosive gases when affected by fire.	Wrapping test for galvanized steel wire	BS 7846
89	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Conductor Elongation at break	EN 50289-3-2
90	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Conductor resistance test	EN 50289-1-2
91	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Dielectric Strength test	EN 50289-1-3
92	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Inductance test	EN 50289-1-12
93	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Inductance to resistance ratio (L/R)	EN 50289-1-12, EN 50289-1-2
94	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Insulation Resistance	EN 50289-1-4
95	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Mutual Capacitance test	EN 50289-1-5
96	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Shrinkage of Insulation	EN 50289-3-4
97	ELECTRICAL- CABLES & WIRES	Instrumentation, Control & Communication Cables	Tensile performance of the cable	EN 50289-3-16
98	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Bending test	IEC 60502-1
99	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Cold bend test	IEC-60811-1-4, clause 8
100	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Cold Impact test	IEC-60811-1-4, clause 8
101	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Electrical Resistance of Conductor	IEC 60502-1, Clause 15.2
102	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Flame spread test on Bunched Cables	IEC 60332-3-10, IEC 60332-3-21,IEC 60332-3-22, IEC 60332-3-23, IEC 60332-3, IEC 60332- 3-24,IEC 60332-3-25: 2018: 2018
103	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Flame spread test on Single Cables	IEC 60332-1
104	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	HCL acid gas emission test	IEC 60754-1

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105	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Heat shock test	IEC-60811-3-1, clause 9
106	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Hot Set Test	IEC-60811-2-1, clause 9
107	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Insulation Resistance	IEC 60502-1,Clause- 17
108	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Measurement of Thickness	IEC 60502-1, Clause 16.5
109	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	pH and conductivity test	IEC 60754-2
110	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Pressure test at high temperature	IEC-60811-3-1
111	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Shrinkage test	IEC-60811-1-3, clause 10
112	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Tensile strength (After ageing)	IEC-60811-1-2, sub clause 8.1
113	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Tensile strength of insulation and sheath	IEC 60811-1-1, sub clause 9.1
114	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Voltage test	IEC 60502-1, Clause 15.3
115	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Volume resistivity test	IEC 60502-1, Clause- 17
116	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV).	Water Absorption Test (Gravimetric)	IEC-60811-1-3, sub clause 9.2
117	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Dimensions of Armouring Material	IS 1554 (Part 1, Clause 15.1(b), Table 5), IS 10810 (Part 36)
118	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Adhesion Test	IS 3975
119	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Annealing Test for Wires used in Conductors	IS 1554-1 (Clause 15.1(a)1), IS 10810 (Part 1)
120	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Cold impact Test	IS 1554-1 (Clause 15.4(b)), IS 10810 (Part 21)
121	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Conductor Resistance Test	IS 1554-1 (Clause 15.1(a)4), IS 10810 (Part 5)
122	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Flame Retardant Test for Bunched Cables	IS 1554 (Part 1, Clause 16.7), IS 10810 (Part 62)
123	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Flame Retardant Test for Single Cables	IS 1554 (Part 1, Clause 16.6), IS 10810 (Part 61)

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124	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Flammability Test	IS 1554 (Part 1, Clause 16.4), IS 10810 (Part 53)
125	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	HCL Acid Gas Generation Test	IS 1554 (Part 1, Clause 16.9), IS 10810 (Part 59)
126	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Heat Shock Test	IS 1554 (Part 1, Clause 15.1(d)(6)), IS 10810 (Part 14)
127	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	High Voltage (Water Immersion) Test	IS 1554 (Part 1, Clause 16.3), IS 10810 (Part 45)
128	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	High Voltage Test	IS 1554 (Part 1, Clause 16.2), IS 10810 (Part 45)
129	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Mass of Zinc Coating	IS 1554 (Part 1, Clause 15.1 (b)), IS 10810 (Part 41)
130	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Oxygen Index Test	IS 1554 (Part 1, Clause 16.5), IS 10810 (Part 58)
131	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Resistivity Test of Armour	IS 1554 (Part 1, Clause 15.1(e)), IS 10810 (Part 43)
132	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Shrinkage Test	IS 1554 (Part 1, Clause 15.1(d)(3)), IS 10810 (Part 12)
133	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Smoke Density Test	IS 1554 (Part 1, Clause 16.11), IS 10810 (Part 63)
134	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Temperature Index Test	IS 1554 (Part 1, Clause 16.10), IS 10810 (Part 64)
135	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Tensile Strength (after Ageing)	IS 1554 (Part 1, Clause 15.1, Clause 15.1 (d)(1 & 2)), IS 10810 (Part 11)
136	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Tensile Strength and Elongation % Break for Armour Wire	IS 1554 (Part 1, Clause 15.1(b)), IS 10810 (Part 37)
137	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Tensile Strength Test for Aluminium Wire	IS 1554 (Part 1, Clause 15.1 (a)(2)), IS 10810 (Part 2)
138	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Thickness of Insulation & Sheath	IS 1554 (Part 1, Clause 9, 12, 14 & Table 2,4 & 7), IS 10810 (Part 6)
139	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Torsion Test	IS 1554 (Part 1, Clause 15.1(b)), IS 10810 (Part 38)
140	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages up to and including 1100 Volts.	Wrapping Test (for aluminum)	IS 1554 (Part 1, Clause 15.1(a)(3)), IS 10810 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name :	BONTON CABLES (INDIA) PRIVATE LIMITED, A-115, PHASE-1, RIICO INDUSTRIAL AREA, BHIWADI, ALWAR, RAJASTHAN, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9898	**Page No**	22 of 23
Validity	24/09/2021 to 23/09/2023	**Last Amended on**	04/10/2022

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
141	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Annealing test for wires used in conductors	IS 694 (Table -1 (iii)a(1)), IS 10810 (Part 1)
142	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Cold bend test	IS 694 (Table-1 (iii)c(8)), IS 10810 (Part 20)
143	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Conductor Resistance test	IS 694 (Clause 4.2), IS 10810 (Part 5)
144	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Elongation % break (After ageing)	IS 694 (Table-1(iii)c(1) & d(1)), IS 10810 (Part 11)
145	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Elongation % Break of Insulation and Sheath	IS 694 (Table-1(iii)c(1) & d(1)), IS 10810 (Part 11)
146	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Flammability test	IS 694 (Clause 10.4), IS 10810 (Part 53)
147	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	HCL acid gas generation test	IS 694 (Clause 10.6), IS 10810 (Part 53)
148	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Heat shock test	IS 694 (Table 1 (iii)C(5)), IS 10810 (Part 14)
149	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	High Voltage (Water Immersion) Test	IS 694 (Clause 10.1), IS 10810 (Part 45)
150	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	High Voltage test	IS 694 (Clause 10.2), IS 10810 (Part 45)
151	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Hot deformation test	IS 694 (Table 1(iii)C(6)), IS 10810 (Part 15)
152	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Insulation Resistance (Volume Resistivity)	IS 694 (Table-1(e)3), IS 10810 (Part 43)
153	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Loss of mass test	IS 694 (Clause 15.1, Table-1(iii)c(2)), IS 10810 (Part 10)
154	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Overall diameter	IS 694 (Table 3 to 10), IS 10810 (Part 6)

SCOPE OF ACCREDITATION

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Certificate Number	TC-9898	**Page No**	23 of 23
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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
155	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Oxygen index test	IS 694 (Clause 10.5), IS 10810 (Part 58)
156	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Shrinkage test	IS 694 (Table 1(iii)c(4)), IS 10810 (Part 12)
157	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Smoke density test	IS 694 (Clause 10.8), IS 10810 (Part 63)
158	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Temperature Index Test	IS 694 (Clause 10.7), IS 10810 (Part 64)
159	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Tensile Strength (After ageing)	IS 694 (Table-1(iii)c(1) & d(1)), IS 10810 (Part 11)
160	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Tensile strength of insulation and sheath	IS 694 (Table-1 (iii) c (1) & d(1)), IS 10810 (Part 7)
161	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Tensile strength test for Aluminium Wire	IS 694 (Table-1 (iii) a (2)), IS 10810 (Part 2)
162	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Thermal Stability of PVC Insulation and Sheath	IS 694 (Table 1 (iii) c (7)), IS 10810 (Part 60)
163	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Thickness of Insulation & Sheath	IS 694 (Table 3 to 10), IS 10810 (Part 6)
164	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 Volts.	Wrapping test (for aluminum)	IS 694 (Table 1 (iii) a (3)), IS 10810 (Part 3)