National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY DIVISION, LKB ENGINEERING PRIVATE LIMITED, E-418 TO E-421, RIICO INDUSTRIAL AREA, CHOPANKI, BHIWADI, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10670 **Page No** 1 of 8

Validity 02/06/2022 to 01/06/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Cables required to maintain circuit integrity under fire conditions	Resisitance to fire Alone (Category -C)	BS 6387, Annex D 2
2	ELECTRICAL- CABLES & WIRES	Cables required to maintain circuit integrity under fire conditions	Resisitance to fire with mechanical Shock	BS 6387 Annex D 4
3	ELECTRICAL- CABLES & WIRES	Cables required to maintain circuit integrity under fire conditions	Resisitance to fire with water	BS 6387, Annex D 3
4	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Ageing in air oven	IS 10810 (Part 11)
5	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Annealing test for copper wire	IS 10810 (Part 1)
6	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Armour Coverage Percentage Test	IS 7098 (Part 1)
7	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Cold bend Test	IS 10810 (Part 20)
8	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Cold Impact Test	IS 10810 (Part 21)
9	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Conductor Resistance	IS 10810 (Part 5)
10	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Dimension for armouring material	IS 10810 (Part 36)
11	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Elongation at break for armouring material	IS 10810 (Part 37)
12	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Flame Retardance Test on Bunched cable	IS 10810 (Part 62)
13	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Flame Retardant Test on Single cable (Swidish Chimney)	IS 10810 (Part 61)
14	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Flammability Test	IS 10810 (Part 53)

SCOPE OF ACCREDITATION

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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
15	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Heat Shock	IS 10810 (Part 14)
16	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	High Voltage test at room temperature	IS 10810 (Part 45)
17	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Hot Set Test	IS 10810 (Part 30)
18	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Insulation Resistance(Volume resistivity)	IS 10810 (Part 43)
19	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Loss of Mass test	IS 10810 (Part 10)
20	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Mass of Zinc coating	IS 10810 (Part 41)
21	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Overall Dimensions	IS 10810 (Part 6)
22	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Oxygen Index Test	IS 10810 (Part 58)
23	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Resistance test of Armour (Wires/strips)	IS 10810 (Part 42)
24	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Shrinkage Test	IS 10810 (Part 12)
25	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Smoke Density Rating	ASTM D 2843
26	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Smoke Density Rating	IS 13360 (Part 6), Sec 9
27	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Temperature Index Test	IS 10810 (Part 64)
28	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Tensile strength	IS 10810 (Part 37)

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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
29	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Tensile strength	IS 10810 (Part 7)
30	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Tensile strength for Aluminum Wires	IS 10810 (Part 2)
31	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Test for Thickness of insulation and sheath	IS 10810 (Part 6)
32	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Thermal stability	IS 10810 (Part 60)
33	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part 38)
34	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Uniformity of Zinc coating	IS 10810 (Part 40)
35	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Water Absorption Test (Gravimetric)	IS 10810 (Part 33)
36	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Winding/ Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part 39)
37	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated and thermoplastic sheathed cable for working voltage up to and including 1100V	Wrapping test for Aluminum wires	IS 10810 (Part 3)
38	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Ageing in air oven	IS:10810 (Pt.-11)
39	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Annealing test for copper wire	IS:10810 (Pt.-1)
40	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Circuit Integrity test Under Fire Condition	IS 16246 Table 1 & 2, Cl 18.3
41	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Conductor Resistance	IS 10810 (Part 5)
42	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Dimension for armouring material	IS 10810 (Part 36)
43	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Elongation at break for armouring material	IS 10810 (Part 37)

SCOPE OF ACCREDITATION

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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
44	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Flame Retardance Test on Bunched cable	IS 10810 (Part 62)
45	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Flame Retardant Test on Single cable (Swidish Chimney)	IS 10810 (Part 61)
46	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Hot Set Test	IS 10810 (Part 30)
47	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Insulation Resistance	IS 10810 (Part 43)
48	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Mass of Zinc coating	IS 10810 (Part 41)
49	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Overall Dimensions	IS 10810 (Part 6)
50	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Oxygen Index Test	IS 10810 (Part 58)
51	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Resistance test of Armour (Wires/strips)	IS 10810 (Part 42)
52	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Smoke Density Rating	ASTM D 2843
53	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Smoke Density Rating	IS 13360(Part 6) Sec 9
54	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Temperature Index Test	IS 10810 (Part 64)
55	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Tensile strength	IS 10810 (Part 37)
56	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Tensile strength	IS 10810 (Part 7)
57	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Test for Thickness of insulation and sheath	IS 10810 (Part 6)
58	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part 38)
59	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Uniformity of Zinc coating	IS 10810 (Part 40)
60	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Water Absorption Test (Electrical)	IS 10810 (Part 28)
61	ELECTRICAL- CABLES & WIRES	Elastomer Insulated cable for working voltage up to and including 1100V	Winding/ Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part 39)

SCOPE OF ACCREDITATION

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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
62	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Elongation at break on Insulation and Sheath	IS 10810 (Part 7)
63	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Additional Ageing	IS 694
64	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Ageing in air oven	IS 10810 (Part 11)
65	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Annealing test for copper wire	IS 10810 (Part 1)
66	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Cold bend Test	IS 10810 (Part 20)
67	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Cold Impact Test	IS 10810 (Part 21)
68	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Conductor Resistance	IS 10810 (Part 5)
69	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Durability & Legibility of Marking	IS 694, Cl 11.1
70	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Flammability test	IS 10810 (Part 53)
71	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Heat Shock	IS 10810 (Part 14)
72	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	High Voltage test (Water immersion)	IS 10810 (Part 45)
73	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	High Voltage test at room temperature	IS 10810 (Part 45)
74	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Insulation Resistance	IS 10810 (Part 43)
75	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Loss of Mass test	IS 10810 (Part 10)

SCOPE OF ACCREDITATION

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76	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Overall Dimensions	IS 10810 (Part 6)
77	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Oxygen Index Test	IS 10810 (Part 58)
78	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Smoke Density Rating	IS 13360 (Part 65), Sec 9
79	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Temperature Index Test	IS 10810 (Part 64)
80	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Tensile strength	IS 10810 (Part 7)
81	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Tensile strength for Aluminum Wires	IS 10810 (Part 2)
82	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Test for Thickness of insulation and sheath	IS 10810 (Part 6)
83	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Thermal stability	IS 10810 (Part 60)
84	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V	Wrapping test for Aluminum wires	IS 10810 (Part 3)
85	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Ageing in air oven	IS 10810 (Part 11)
86	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Annealing test for copper wire	IS 10810 (Part 1)
87	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Armour Coverage Percentage Test	IS 7098(Part 1)
88	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Cold bend Test	IS 10810 (Part 20)
89	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Cold Impact Test	IS 10810 (Part 21)
90	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Conductor Resistance	IS 10810 (Part 5)

SCOPE OF ACCREDITATION

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91	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Dimension for armouring material	IS 10810 (Part 36)
92	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Elongation at break for armouring material	IS 10810 (Part 37)
93	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Flame Retardance Test on Bunched cable	IS 10810 (Part 62)
94	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Flame Retardant Test on Single cable (Swidish Chimney)	IS 10810 (Part 61)
95	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Flammability test	IS 10810 (Part 53)
96	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Heat Shock	IS 10810 (Part 14)
97	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	High Voltage test (Water immersion)	IS 10810 (Part 45)
98	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	High Voltage test at room temperature	IS 10810 (Part 45)
99	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Insulation Resistance	IS 10810 (Part 43)
100	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Loss of Mass test	IS 10810 (Part 10)
101	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Mass of Zinc coating	IS 10810 (Part 41)
102	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Overall Dimensions	IS 10810 (Part 6)
103	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Oxygen Index Test	IS 10810 (Part 58)
104	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Resistance test of Armour (Wires/strips)	IS 10810 (Part 42)
105	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Shrinkage Test	IS 10810 (Part 12)
106	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Smoke Density Rating	ASTM D 2843
107	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Smoke Density Rating	IS 13360 (Part 6), Sec 9
108	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Temperature Index Test	IS 10810 (Part 64)
109	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Tensile strength	IS 10810 (Part 37)

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110	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Tensile strength	IS 10810 (Part 7)
111	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Tensile strength for Aluminum Wires	IS 10810 (Part 2)
112	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Test for Thickness of insulation and sheath	IS 10810 (Part 6)
113	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Thermal stability	IS 10810 (Part 60)
114	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part 38)
115	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Uniformity of Zinc coating	IS 10810 (Part 40)
116	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Winding/ Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part 39)
117	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to & Including 1100V	Wrapping test for Aluminum wires	IS 10810 (Part 3)