



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name AMIT TEST AND CALIBRATION CENTRE, 19/168, SARAI ROHILLA, OLD ROHTAK ROAD, NEW DELHI-110035, NEW DELHI, DELHI , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5584 Page No. : 1 / 21

Validity 09/05/2019 to 08/05/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
<b>Permanent Facility</b>				
1	CHEMICAL- METALS & ALLOYS	Copper	Bismuth	IS: 440: 1964 RA 2018
2	CHEMICAL- METALS & ALLOYS	Copper	Copper Purity	IS 440: 1964 RA 2018
3	CHEMICAL- METALS & ALLOYS	Copper	Lead	IS: 440: 1964 RA 2018
4	CHEMICAL- METALS & ALLOYS	Copper	Oxygen	IS: 440: 1964 RA 2018
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Ageing in air oven	IS 10810 (Pt 11): 1984
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Carbon black test for polyethylene and XLPE1)Content 2)Dispersion	IS 10810 (Pt 32): 1984
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Conductor resistance	IS 8130: 1984
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Conductor resistance	IS 10810 (Pt 5): 1984
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	High voltage Test (AC)	IS 10810 (Pt 45): 1984
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Hot Set Test	IS 10810 (Pt 30): 1984
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Insulation resistance (Volume Resistivity)	IS 5831: 1984
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Insulation resistance (Volume Resistivity)	IS 10810 (Pt 43): 1984
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Shrinkage test	IS 5831: 1984
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Shrinkage test	IS: 10810 (Pt 12): 1984

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
15	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Tensile strength & Elongation at break of insulation	IS 5831: 1984
16	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Tensile strength & Elongation at break of insulation	IS 10810 (Pt 7): 1984
17	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Tensile strength for Aluminium Conductor	IS 10810 (Pt 2): 1984
18	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Test on Messenger Conductor Breaking Load Elongation Test	IS 14255: 1995
19	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Thickness of Insulation	IS: 10810 (Pt 6): 1984
20	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Water Absorption (Gravimetric)	IS:10810 (Pt 33): 1984
21	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables	Wrapping test for Aluminium Conductor	IS 10810 (Pt 3): 1984
22	ELECTRICAL-CABLES & WIRES	Aerial Bunched Cables IS 14255:1995	Ageing in air oven	IS 5831: 1984
23	ELECTRICAL-CABLES & WIRES	Cross Linked Polyethylene Insulated Thermo Plastic sheathed cables for working voltages from 3.3 kV up to & including 11 kV IS:7098 (Part-2) 2011	High voltage Test (AC)(Reaffirmed:2001)	IS 10810 (Pt 45): 1984
24	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Ageing in air oven	IS 10810 (Pt 11): 1984
25	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Annealing test for Copper Conductor	IS 8130: 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
26	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Annealing test for Copper Conductor	IS 10810 (Pt 1): 1984
27	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Armour Resistance Test	IS:10810 (Pt 42): 1984
28	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Cold Bend Test	IS 5831: 1984
29	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Cold Bend Test	IS 5831: 1984
30	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Cold Impact Test	IS 5831: 1984
31	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Cold Impact Test	IS 10810 (Pt 21): 1984
32	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Conductor resistance	IS 8130: 1984
33	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Conductor resistance	IS 10810 (Pt 5): 1984
34	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Dimension for armouring material	IS: 10810 (Pt 36): 1984
35	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Flame retardance test on bunched cables	IS 10810 (Pt -62): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
36	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Flame Retardance Test on Single Cable	IS 10810 (Pt 61): 1984
37	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Flammability test	IS: 10810 (Pt 53): 1984
38	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Halogen Acid Gas	IS 10810(Pt-59): 1984
39	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Heat shock test	IS 5831: 1984
40	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Heat shock test	IS: 10810 (Pt 14): 1984
41	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	High voltage Test (AC)	IS 10810 (Pt 45): 1984
42	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Hot deformation test	IS 5831: 1984
43	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Hot deformation test	IS:10810 (Pt 15): 1984
44	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Hot Set Test	IS 10810 (Pt 30): 1984
45	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Insulation resistance (Volume Resistivity)	IS 5831: 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
46	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Insulation resistance (Volume Resistivity)	IS 10810 (Pt 43): 1984
47	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Loss of mass test	IS 5831: 1984
48	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Loss of mass test	IS 10810 (Pt 10): 1984
49	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Mass of Zinc coating	IS: 10810 (Pt 41): 1984
50	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Oxygen Index Test	IS: 10810 (Pt 58): 1984
51	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Resistivity & Conductance test of Armour (Wires/strips)	IS: 10810 (Pt 42): 1984
52	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Shrinkage test	IS 5831: 1984
53	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Shrinkage test	IS: 10810 (Pt 12): 1984
54	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Smoke Density	ASTM D 2843: 1999
55	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Temperature Index Test	IS 10810 (Pt -64): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
56	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Tensile strength & Elongation at break of armouring material	IS: 10810 (Pt 37): 1984
57	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Tensile strength & Elongation at break of insulation & sheath	IS 5831: 1984
58	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Tensile strength & Elongation at break of insulation & sheath	IS 10810 (Pt 7): 1984
59	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Tensile strength for Aluminium Conductor	IS 10810 (Pt 2): 1984
60	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Thermal Stability (for sheath)	IS 5831: 1984
61	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Thermal Stability (for sheath)	IS:10810 (Pt 60): 1984
62	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Thickness of Insulation & Sheath	IS: 10810 (Pt 6): 1984
63	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Torsion test on Galvanised steel wire for armouring	IS: 10810 (Pt 38): 1984
64	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Uniformity of Zinc coating	IS: 10810 (Pt 40): 1984
65	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Water Absorption (Gravimetric)	IS:10810 (Pt 33): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
66	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Winding test on Galvanised steel strips for armouring	IS: 10810 (Pt 39): 1984
67	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Wrapping test for Aluminium Conductor	IS 10810 (Pt 3): 1984
68	ELECTRICAL-CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables IS 7098(PART-1):1988	Ageing in air oven	IS 5831: 1984
69	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Ageing in air bomb	IS 9968(PART-1): 1988
70	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Ageing in air bomb	IS : 10810 (Pt.56): 1984
71	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Ageing in air oven	IS 9968(PART-1): 1988
72	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Ageing in air oven	IS : 10810 (Pt.11): 1984
73	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Ageing in oxygen bomb	IS 9968(PART-1): 1988
74	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Ageing in oxygen bomb	IS : 10810 (Pt.16): 1984
75	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Annealing test for copper	IS : 8130: 1984
76	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Annealing test for copper	IS : 10810 (Pt.1): 1984
77	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Conductor resistance test	IS : 8130: 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
78	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Conductor resistance test	IS : 10810 (Pt.5): 1984
79	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Cord Flexing test	Cl. 22.4 of 9968 (Pt.-1): 1988
80	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Flammability test	IS : 10810 (Pt.53): 1984
81	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	High voltage (water immersion) test	IS : 10810 (Pt.45): 1984
82	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Hot set	IS 9968(PART-1): 1988
83	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Hot set	IS : 10810 (Pt.30): 1984
84	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Insulation resistance	IS 9968(PART-1): 1988
85	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Insulation resistance	IS : 10810 (Pt.17): 1984
86	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Oil resistance	IS 9968(PART-1): 1988
87	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Oil resistance	IS : 10810 (Pt.31): 1984
88	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Persulphate test for copper	IS : 8130: 1984
89	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Persulphate test for copper	IS : 10810 (Pt.4): 1984
90	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Tear resistance	IS 9968(PART-1): 1988
91	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Tear resistance	IS : 10810 (Pt.17): 1984





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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
92	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Tensile strength and elongation at break	IS 9968(PART-1): 1988
93	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Tensile strength and elongation at break	IS : 10810 (Pt.7): 1984
94	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Tensile test for aluminium	IS : 10810 (Pt.2): 1984
95	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Test for thickness of insulation and sheath and overall diameter	IS : 10810 (Pt.6): 1984
96	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Water absorption test (Electrical)	IS 9968(PART-1): 1988
97	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Water absorption test (Electrical)	IS : 10810 (Pt.28): 1984
98	ELECTRICAL-CABLES & WIRES	Elastomer insulated cables	Wrapping test for aluminum	IS : 10810 (Pt.3): 1984
99	ELECTRICAL-CABLES & WIRES	Elastomer insulated flexible cables for use in mines working voltages from 1.1 kV up to and including 11 kVIS: 14494:1998 (Reaffirmed 2008)	High voltage (water immersion) test	IS : 10810 (Pt.45): 1984
100	ELECTRICAL-CABLES & WIRES	Elastomer insulated flexible cables for use in mines working voltages from 1.1 kV up to and including 11 kVIS: 14494:1998 (Reaffirmed 2008)	Torsion test on Galvanized steel wire for armouring	IS: 10810 (Pt 38): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
101	ELECTRICAL-CABLES & WIRES	Elastomer insulated flexible cables for use in mines working voltages from 1.1 kV up to and including 11 kVIS: 14494:1998 (Reaffirmed 2008)	Torsion test on Galvanized steel wire for armouring (Reaffirmed:2001)	IS: 10810 (Pt 39): 1984
102	ELECTRICAL-CABLES & WIRES	Elastomer insulated flexible cables for use in mines working voltages from 1.1 kV up to and including 11 kVIS: 14494:1998 (Reaffirmed 2008)	Uniformity of Zinc coating	IS: 10810 (Pt 40): 1984
103	ELECTRICAL-CABLES & WIRES	Elastomer insulated flexible cables for use in mines working voltages from 1.1 kV up to and including 11 kVIS: 14494:1998 (Reaffirmed 2008)	Winding test on Galvanized steel strips for armouring (Reaffirmed:2001)	IS: 10810 (Pt 39): 1984
104	ELECTRICAL-CABLES & WIRES	Heavy Duty	Ageing in air oven	IS: 10810 (Pt 11): 1984
105	ELECTRICAL-CABLES & WIRES	Heavy Duty	Annealing test for Copper Conductor	IS 8130: 1984
106	ELECTRICAL-CABLES & WIRES	Heavy Duty	Annealing test for Copper Conductor	IS 10810 (Pt 1): 1984
107	ELECTRICAL-CABLES & WIRES	Heavy Duty	Armour Resistance Test	IS:10810 (Pt 42): 1984
108	ELECTRICAL-CABLES & WIRES	Heavy Duty	Cold Bend Test	IS 5831: 1984



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109	ELECTRICAL-CABLES & WIRES	Heavy Duty	Cold Bend Test	IS 10810 (Pt 20): 1984
110	ELECTRICAL-CABLES & WIRES	Heavy Duty	Cold Impact Test	IS 5831: 1984
111	ELECTRICAL-CABLES & WIRES	Heavy Duty	Cold Impact Test	IS 10810 (Pt 21): 1984
112	ELECTRICAL-CABLES & WIRES	Heavy Duty	Dimension for armouring material	IS: 10810 (Pt 36): 1984
113	ELECTRICAL-CABLES & WIRES	Heavy Duty	Flame retardance test on bunched cables	IS 10810 (Pt -62): 1984
114	ELECTRICAL-CABLES & WIRES	Heavy Duty	Flame Retardance Test on Single Cable	IS 10810 (Pt 61): 1984
115	ELECTRICAL-CABLES & WIRES	Heavy Duty	Flammability test	IS: 10810 (Pt 53): 1984
116	ELECTRICAL-CABLES & WIRES	Heavy Duty	Halogen Acid Gas	IS 10810(Pt-59): 1984
117	ELECTRICAL-CABLES & WIRES	Heavy Duty	Heat shock test	IS 5831: 1984
118	ELECTRICAL-CABLES & WIRES	Heavy Duty	Heat shock test	IS: 10810 (Pt 14): 1984
119	ELECTRICAL-CABLES & WIRES	Heavy Duty	High voltage Test (AC)	IS 10810 (Pt 45): 1984
120	ELECTRICAL-CABLES & WIRES	Heavy Duty	High voltage Test (AC)	IS 10810 (Pt 45): 1984
121	ELECTRICAL-CABLES & WIRES	Heavy Duty	Hot deformation test	IS 5831: 1984
122	ELECTRICAL-CABLES & WIRES	Heavy Duty	Hot deformation test	IS:10810 (Pt 15): 1984



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123	ELECTRICAL-CABLES & WIRES	Heavy Duty	Insulation resistance	IS 5831: 1984
124	ELECTRICAL-CABLES & WIRES	Heavy Duty	Insulation resistance	IS 10810 (Pt 43): 1984
125	ELECTRICAL-CABLES & WIRES	Heavy Duty	Loss of mass test	IS 5831: 1984
126	ELECTRICAL-CABLES & WIRES	Heavy Duty	Loss of mass test	IS 10810 (Pt 10): 1984
127	ELECTRICAL-CABLES & WIRES	Heavy Duty	Mass of Zinc coating	IS: 10810 (Pt 41): 1984
128	ELECTRICAL-CABLES & WIRES	Heavy Duty	Oxygen Index Test	IS: 10810 (Pt 58): 1984
129	ELECTRICAL-CABLES & WIRES	Heavy Duty	Resistivity & Conductance test of Armour (Wires/strips)	IS: 10810 (Pt 42): 1984
130	ELECTRICAL-CABLES & WIRES	Heavy Duty	Shrinkage test	IS 5831: 1984
131	ELECTRICAL-CABLES & WIRES	Heavy Duty	Shrinkage test	IS: 10810 (Pt 12): 1984
132	ELECTRICAL-CABLES & WIRES	Heavy Duty	Smoke Density	2843: 1999
133	ELECTRICAL-CABLES & WIRES	Heavy Duty	Temperature Index Test	IS 10810 (Pt -64): 1984
134	ELECTRICAL-CABLES & WIRES	Heavy Duty	Tensile strength & Elongation at break of armouring material	IS: 10810 (Pt 37): 1984
135	ELECTRICAL-CABLES & WIRES	Heavy Duty	Tensile strength & Elongation at break of insulation & sheath	IS 5831: 1984
136	ELECTRICAL-CABLES & WIRES	Heavy Duty	Tensile strength & Elongation at break of insulation & sheath	IS 10810 (Pt 7): 1984



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137	ELECTRICAL-CABLES & WIRES	Heavy Duty	Tensile strength for Aluminium Conductor	IS 10810 (Pt 2): 1984
138	ELECTRICAL-CABLES & WIRES	Heavy Duty	Thermal Stability	IS 5831: 1984
139	ELECTRICAL-CABLES & WIRES	Heavy Duty	Thermal Stability	IS:10810 (Pt 60): 1984
140	ELECTRICAL-CABLES & WIRES	Heavy Duty	Thickness of Insulation & Sheath	IS: 10810 (Pt 6): 1984
141	ELECTRICAL-CABLES & WIRES	Heavy Duty	Torsion test on Galvanised steel wire for armouring	IS: 10810 (Pt 38): 1984
142	ELECTRICAL-CABLES & WIRES	Heavy Duty	Uniformity of Zinc coating	IS: 10810 (Pt 40): 1984
143	ELECTRICAL-CABLES & WIRES	Heavy Duty	Volume ResistivityAt 270At 700	IS 5831: 1984
144	ELECTRICAL-CABLES & WIRES	Heavy Duty	Volume ResistivityAt 270At 700	IS 10810 (Pt 43): 1984
145	ELECTRICAL-CABLES & WIRES	Heavy Duty	Winding test on Galvanised steel strips for armouring	IS: 10810 (Pt 39): 1984
146	ELECTRICAL-CABLES & WIRES	Heavy Duty	Wrapping test for Aluminium Conductor	IS 10810 (Pt 3): 1984
147	ELECTRICAL-CABLES & WIRES	Heavy DutyIS 1554 (PART-1):1988	Ageing in air oven	IS 5831: 1984
148	ELECTRICAL-CABLES & WIRES	PVC insulated (heavy duty) IS:1554 (Part-2) 1988	High voltage Test (AC)(Reaffirmed:2001)	IS 10810 (Pt 45): 1984
149	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Ageing in air oven	IS 694: 2010
150	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Ageing in air oven	IS 10810 (Pt 11): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
151	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Annealing test for Copper Conductor	IS 8130: 1984
152	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Annealing test for Copper Conductor	IS 10810 (Pt 1): 1984
153	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Cold Bend Test	IS 694: 2010
154	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Cold Bend Test	IS 10810 (Pt 20): 1984
155	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Cold Impact Test	IS 694: 2010
156	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Cold Impact Test	IS 10810 (Pt 21): 1984
157	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Conductor resistance	IS 8130: 1984
158	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Conductor resistance	IS 10810 (Pt 5): 1984
159	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Flammability test	IS: 10810 (Pt 53): 1984
160	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Halogen Acid Gas	IS 10810(Pt-59): 1984
161	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Heat shock test	IS 694: 2010
162	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Heat shock test	IS: 10810 (Pt 14): 1984
163	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Heat shock test	IS: 10810 (Pt 14): 1984
164	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	High voltage Test (AC) Water Immersion	IS 10810 (Pt 45): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
165	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	High voltage Test (DC) Water Immersion	IS 10810 (Pt 45): 1984
166	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Hot deformation test	IS:10810 (Pt 15): 1984
167	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Hot deformation test	IS:10810 (Pt 15): 1984
168	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Insulation resistance	IS 5831: 1984
169	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Insulation resistance	IS 10810 (Pt 43): 1984
170	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Loss of mass test	IS 10810 (Pt 10): 1984
171	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Oxygen Index Test	IS: 10810 (Pt 58): 1984
172	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Persulphate test	IS 10810 (Pt -4): 1984
173	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Shrinkage test	IS 5831: 1984
174	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Shrinkage test	IS: 10810 (Pt 12): 1984
175	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Temperature Index Test	IS 10810 (Pt -64): 1984
176	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Tensile strength & Elongation at break of insulation & sheath	IS 694: 2010
177	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Tensile strength & Elongation at break of insulation & sheath	IS 10810 (Pt 7): 1984
178	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Tensile strength for Aluminium Conductor	IS 10810 (Pt 2): 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
179	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Thickness of Insulation & Sheath	IS: 10810 (Pt 6): 1984
180	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Volume Resistivity	IS 5831: 1984
181	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Volume Resistivity	IS 10810 (Pt 43): 1984
182	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Volume Resistivity	IS 10810 (Pt 43): 1984
183	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables	Wrapping test for Aluminium Conductor	IS 10810 (Pt 3): 1984
184	ELECTRICAL-CABLES & WIRES	PVC Insulated Cables IS 694:2010	Hot deformation test	IS 5831: 1984
185	ELECTRICAL-CABLES & WIRES	Welding cables	Ageing in air bomb	IS : 10810 (Pt.56): 1984
186	ELECTRICAL-CABLES & WIRES	Welding cables	Ageing in air oven	IS : 6380: 1984
187	ELECTRICAL-CABLES & WIRES	Welding cables	Ageing in air oven	IS : 10810 (Pt.11): 1984
188	ELECTRICAL-CABLES & WIRES	Welding cables	Annealing test	IS : 8130: 1984
189	ELECTRICAL-CABLES & WIRES	Welding cables	Annealing test	IS : 10810 (Pt.1): 1984
190	ELECTRICAL-CABLES & WIRES	Welding cables	Conductor resistance test	IS : 8130: 1984
191	ELECTRICAL-CABLES & WIRES	Welding cables	Conductor resistance test	IS : 10810 (Pt.5): 1984
192	ELECTRICAL-CABLES & WIRES	Welding cables	Flammability test	IS : 10810 (Pt.53): 1984





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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
193	ELECTRICAL-CABLES & WIRES	Welding cables	High voltage (water immersion test)Water bath	IS : 10810 (Pt.45): 1984
194	ELECTRICAL-CABLES & WIRES	Welding cables	Hot set	IS : 6380: 1984
195	ELECTRICAL-CABLES & WIRES	Welding cables	Hot set	IS : 10810 (Pt.30): 1984
196	ELECTRICAL-CABLES & WIRES	Welding cables	Oil resistance	IS : 6380: 1984
197	ELECTRICAL-CABLES & WIRES	Welding cables	Oil resistance	IS : 10810 (Pt.31): 1984
198	ELECTRICAL-CABLES & WIRES	Welding cables	Static flexibility test	IS : 10810 (Pt.54): 1984
199	ELECTRICAL-CABLES & WIRES	Welding cables	Tensile strength and elongation at break	IS : 6380: 1984
200	ELECTRICAL-CABLES & WIRES	Welding cables	Tensile strength and elongation at break	IS : 10810 (Pt.7): 1984
201	ELECTRICAL-CABLES & WIRES	Welding cables	Test for thickness of covering	IS : 10810 (Pt.6): 1984
202	ELECTRICAL-CABLES & WIRES	Welding cablesIS 9857:1990	Ageing in air bomb	IS : 6380: 1984
203	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium stranded conductorsIS 398(PART-1):1996	Conductor resistance test	IS : 8130: 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
204	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium stranded conductors	Breaking load test of individual Aluminum wire	IS 8130: 1984
205	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium stranded conductors	Measurement of diameter of aluminium wire	IS : 8130: 1984
206	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium stranded conductors	Measurement of lay ratio	Cl. 3.4 of IS 398 (Pt.1): 1996
207	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium stranded conductors	Conductor resistance test	IS : 10810 (Pt.5): 1984
208	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium stranded conductors	Wrapping test	IS : 10810 (Pt.3): 1984
209	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors	Elongation test IS 398(PART-4):1994	IS : 8130: 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
210	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors IS 398(PART-4):1994	Conductor resistance test	IS : 10810 (Pt.5): 1984
211	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced IS 398(PART-2):1996	Conductor resistance test IS 398(PART-2):1996	IS : 10810 (Pt.5): 1984
212	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors	Conductor resistance test	IS : 8130: 1984
213	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors	Measurement of diameter of Aluminium alloy wires	Cl. 3.1.2 of IS 398 (Pt.4): 1994
214	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors	Measurement of lay ratio	Cl. 3.1.4 of IS 398 (Pt.4): 1994



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
215	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium Alloy Stranded conductorsIS 398(PART-4):1994	Breaking load of aluminium wire	IS : 8130: 1984
216	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Breaking load test of individual wires	IS : 8130: 1984
217	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Conductor resistance test	IS : 8130: 1984
218	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Galvanizing testa.uniformity of zinc coatingb.weight of zinc coating	IS: 4826: 1979
219	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Test for ultimate breaking load on stranded conductor	IS : 8130: 1984



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
220	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Wrapping test	IS : 8130: 1984
221	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Ductility test(Elongation)	Cl. 13.4 of IS: 398 (Pt.2): 1996
222	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Measurement of diameter of aluminium and steel wires	Cl. 3.2 of IS : 398 (Pt.2): 1996
223	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Measurement of lay ratio	Cl. 3.4 of IS : 398 (Pt.2): 1996