National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6149 **Page No** 1 of 11

Validity 18/08/2021 to 17/08/2023 **Last Amended on** 31/08/2021

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	PVC Insulated (Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Finished cable – High Voltage at room temperature	IS 1554 (Part 1)
2	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 V XLPE insulated & PVC sheathed cables up to and including 1100 V PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 V	Insulation resistance (Volume Resistivity) - At 27°C	IS 10810 (Part 43)
3	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Annealing for copper	IS 694
4	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Annealing for copper	IS 7098 Part 1
5	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Conductor Resistance	IS 694
6	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of Insulation	IS 1554-Part 1
7	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of Insulation	IS 7098-Part 1
8	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of sheath	IS 694

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At Maximum rated temperature	IS 10810 (Part 43)
10	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At Maximum rated temperature	IS 1554 (Part 1)
11	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At Maximum rated temperature	IS 7098 (Part 1)
12	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At Maximum Rated Temperature	IS 10810-Part 43
13	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At Maximum Rated Temperature	IS 1554-Part 1
14	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At 27°C	IS 694
15	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Persulphate of Tinned Copper conductor	IS 10810-Part 4
16	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of Insulation	IS 1554-Part 1
17	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of sheath	IS 1554-Part 1

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
18	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of sheath	IS 694
19	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of sheath	IS 7098-Part 1
20	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Flame retardance on single cable	IS 1554-Part 1
21	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Halogen acid gas evolution	IEC 60754-1
22	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of Insulation	IS 1554-Part 1
23	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of Insulation	IS 7098-Part 1
24	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Annealing for copper	IS 10810-Part 1
25	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Annealing for copper	IS 1554 Part 1
26	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Annealing for copper	IS 8130

SCOPE OF ACCREDITATION

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27	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Conductor Resistance	IS 8130
28	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Conductor Resistance	IS 10810-Part 5
29	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Conductor Resistance	IS 1554-Part 1
30	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Conductor Resistance	IS 7098-Part 1
31	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of Insulation	IS 10810-Part 7
32	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of Insulation	IS 5831
33	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of Insulation	IS 694
34	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of sheath	IS 10810-Part 7
35	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of sheath	IS 1554-Part 1

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
36	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of sheath	IS 5831
37	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Elongation of sheath	IS 7098-Part 1
38	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Hot Set - Elongation under load of Insulation	IS 7098-Part 1
39	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Hot set - Permanent elongation (set) after cooling of Insulation	IS 10810-Part 30
40	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Hot set - Permanent elongation (set) after cooling of Insulation	IS 7098-Part 1
41	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Hot Set -Elongation under load of Insulation	IS 10810-Part 30
42	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At Maximum rated temperature	IS 5831
43	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At Maximum rated temperature	IS 694
44	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At 27° C	IS 694

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
45	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At 27°C	IS 1554 (Part 1)
46	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At 27°C	IS 5831
47	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation resistance (Volume Resistivity) - At 27°C	IS 7098 (Part 1)
48	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At 27°C	IS 10810-Part 43
49	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At 27°C	IS 1554-Part 1
50	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At 27°C	IS 5831
51	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At Maximum Rated Temperature	IS 5831
52	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Insulation Resistance Constant - At Maximum Rated Temperature	IS 694
53	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Persulphate of Tinned Copper conductor	IS 694

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
54	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Persulphate of Tinned Copper conductor	IS 8130
55	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of Insulation	IS 10810-Part 7
56	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of Insulation	IS 5831
57	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of Insulation	IS 694
58	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of Insulation	IS 7098-Part 1
59	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of sheath	IS 10810-Part 7
60	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tensile strength of sheath	IS 5831
61	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Flame retardance on single cable	IS 10810-Part 61
62	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Flame retardance on single cable	IS 694

SCOPE OF ACCREDITATION

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63	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Flame retardance on single cable	IS 7098-Part 1
64	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Period of burning	IS 10810-Part 53
65	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Period of burning	IS 1554-Part 1
66	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Period of burning	IS 694
67	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Period of burning	IS 7098-Part 1
68	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Unaffected portion	IS 10810-Part 53
69	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Unaffected portion	IS 1554-Part 1
70	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Unaffected portion	IS 694
71	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable - Flammability - Unaffected portion	IS 7098-Part 1

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
72	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – High Voltage at room temperature	IS 10810-Part 45
73	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – High Voltage at room temperature	IS 694
74	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – High Voltage at room temperature	IS 7098-Part 1
75	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Oxygen Index	ASTM D2863
76	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Oxygen Index	IS 10810-Part 58
77	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Oxygen Index	IS 1554-Part 1
78	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Oxygen Index	IS 694
79	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Oxygen Index	IS 7098-Part 1
80	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Smoke Density	ASTM D2843

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, 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
81	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Smoke Density	IS 694
82	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Temperature Index	IS 10810-Part 64
83	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Temperature Index	IS 1554-Part 1
84	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Temperature Index	IS 694
85	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Tests on finished cable – Temperature Index	IS 7098-Part 1
86	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of Insulation	IS 10810-Part 6
87	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of Insulation	IS 694
88	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of sheath	IS 10810-Part 6
89	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of sheath	IS 1554-Part 1

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY, THERMO CABLES LIMITED, D-44, 45, 48 , 49 & 50, PHASE-V, IDA, JEEDIMETLA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6149	**Page No**	11 of 11
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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
90	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of sheath	IS 694
91	ELECTRICAL- CABLES & WIRES	PVC Insulated(Heavy duty) Cables up to and including 1100 Volts XLPE insulated & PVC sheathed cables up to and including 1100 Volts PVC Insulated Unsheathed or Sheathed Cables or Cords for rated voltage up to & including 1100 Volts	Thickness of sheath	IS 7098-Part 1