National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GLOSTER CABLES LIMITED, TESTING LAB, SURVEY NO. 293, KALLAKAL (VILLAGE), NH-44, TOOPRAN (MANDAL), MEDAK, 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
Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Ageing in Air Oven Elongation at Break of insulation	IS 7098 (P-1), Cl. 15.1- d), i) & e) i), IS 5831, IS 10810 (P-11)
2	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Ageing in Air Oven Tensile Strength &Elongation at Break of Sheath	Cl. 15.1- d) i) & e) i) of IS 7098 (P-1), IS 5831, IS 10810 (P-11)
3	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Elongation at Break of Armouring Material	Cl. 13.6 (a,b) of IS 7098 (P-1), IS 3975, IS 10810 (P-37)
4	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Elongation at Break of Insulation	Cl. 15.1-d) i) &e) i) of IS 7098 (P-1), IS 5831, IS 10810 (P-7)
5	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Elongation at Break of Sheath	Cl. 15.1-d) i) &e) i) of IS 7098 (P-1), IS 5831, IS 10810 (P-7)
6	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Flammability Test	Cl. 16.3 of IS 7098 (P-1), IS 10810 (P-53)
7	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Heat shock test	Cl.15.1- e) vi) of IS 7098 (P-1), IS 5831, IS 10810 (P-14)
8	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	High Voltage Test (AC)	Cl.16.2 of IS 7098 (P-1), IS 10810 (P-45)
9	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Hot deformation test	Cl. 15.1- e) v) of IS 7098 (P-1), IS 5831, IS 10810 (P-15)
10	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Insulation Resistance Test (Volume Resistivity at Room Temperature)	Cl. 15.1- f) of IS 7098 (P-1), IS 10810 (P-43)
11	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Persulphate Test	IS 10810 (Part 4)
12	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Resistivity Test of Armour (wires/strip)	Cl. 13.6 (g) of IS 7098 (P-1), IS 3975, IS 10810 (P-42)
13	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Tensile Strength of Armouring Material	Cl. 13.6 (a,b) of IS 7098 (P-1), IS 3975, IS 10810 (P-37)
14	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Tensile Strength of Insulation	Cl. 15.1-d) i) & e) i) of IS 7098 (P-1), IS 5831, IS 10810 (P-7)
15	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Tensile Strength of Sheath	Cl. 15.1-d) i) &e) i) of IS 7098 (P-1), IS 5831, IS 10810 (P-7)
16	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Thermal Stability Test (for Sheath)	Cl. 15.1 e) vi) of IS 7098 (P-1), IS 10810 (P-60)
17	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Thickness of Sheath	Cl. 15.1- c) of IS 7098 (P-1), IS 10810 (P-6)

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18	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Wrapping Test for Aluminium Conductor	Cl. 15.1- a) i) of IS 7098 (P-1), IS 8130, IS 10810 (P-3)
19	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Mass of Zinc Coating	Cl.13.6 (f) of IS 7098 (P-1), IS 3975, IS 10810 (P-41)
20	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Tensile Strength Test for Aluminium Conductor	Cl. 15.1- a) i) of IS 7098 (P-1), IS 8130, IS 10810 (P-2)
21	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Cold Bend Test	Cl. 15.4 (a) of IS 7098 (P-1), IS 10810 (P-20), IEC 60332 (P-1)
22	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Ageing in Air Oven Tensile Strength of Insulation	Cl. 13.6 (a,b) of IS 7098 (P-1), IS 3975, IS 10810 (P-37)
23	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Annealing Test for Copper Conductor	Cl. 15.1- a) i) IS 7098 (P-1), IS 8130, IS 10810 (P-1)
24	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 1 Flame Retardance Test on Bunched Cables	Cl. 16.11 of IS 7098 (P-1), IS 10810 (P-62), IEC 60332 (P-3)
25	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 1 Flame Retardance Test on Single Cable	Cl. 16.10 of IS 7098 (P-1), IS 10810 (P-61)
26	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 1 Oxygen Index Test	Cl. 16.9 of IS 7098 (P-1), IS 10810 (P-58), ASTM D2863
27	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 1 Temperature Index Test	Cl. 16.14 of IS 7098 (P-1), IS 10810 (P-64), ASTM D2863
28	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 2 Flame Retardance Test on Bunched Cables	Cl. 16.11 of IS 7098 (P-1), IS 10810 (P-62)
29	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 2 Flame Retardance Test on Single Cable	Cl. 16.10 of IS 7098 (P-1), IS 10810 (P-61)
30	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 2 Halogen Acid Gas Test	Cl. 16.13 of IS 7098 (P-1), IS 10810 (P-59), IEC 60754 (P-1)
31	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 2 Oxygen Index Test	Cl. 16.9 of IS 7098 (P-1), IS 10810 (P-58), ASTM D2863
32	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 2 Smoke Density Test	Cl. 16.15 of IS 7098 (P-1), ASTM D2843
33	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Category C 2 Temperature Index Test	Cl. 16.14 of IS 7098 (P-1), IS 10810 (P-64), ASTM D2863
34	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Cold Impact Test	Cl. 15.4 (b) of IS 7098 (P-1), IS 10810 (P-21)

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35	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Conductor Resistance Test	Cl. 15.1- a) iv) of IS 7098 (P-1), IS 8130, IS 10810 (P-5)
36	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Dimension for Armouring Material (Strip)	Cl. 13.3 of IS 7098 (P-1), IS 3975, IS 10810 (P-36)
37	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Hot Set Test	Cl. 15.1- d) i) of IS 7098 (P-1), IS 10810 (P-30)
38	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Loss of Mass Test	Cl. 15.1- e) i) of IS 7098 (P-1), IS 5831, IS 10810 (P-10)
39	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Persulphate Test	IS 10810 (Part 4)
40	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Shrinkage test	Cl. 15.1- d) iv) & e) iv) of IS 7098 (P-1), IS 5831, IS 10810 (P-12)
41	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Thickness of Insulation	Cl. 15.1- c) of IS 7098 (P-1), IS 10810 (P-6)
42	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Torsion test on Galvanised Steel Wire for Armouring	Cl. 8.2 of IS 3975, IS 10810 (P-38)
43	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Uniformity of Zinc Coating Test	Cl. 13.6 (f) of IS 7098 (P-1), IS 3975, IS 10810 (P-40)
44	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Water Absorption Test (Gravimetric)	Cl. 15.1- d) v) of IS 7098 (P-1), IS 10810 (P-33)
45	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC Sheathed cables for Working Voltages up to & Including 1100 V	Winding test on Galvanised Steel strips for Armouring	Cl. 13.6 (d) of IS 7098 (P-1), IS 3975, IS 10810 (P-39)
46	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Ageing Test in Air Oven (Tensile Strength & elongation at break of sheath)	IS 1554 (P-1) Cl.15.1-d)2), IS 5831, IS 10810 (P-11)
47	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Category C 1 Flame Retardance Test on Bunched Cables	Cl. 16.7 of IS 1554 (P-1), IS 10810 (P-62), IEC 60332 (P-3)
48	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Category C 1 Oxygen Index Test	Cl. 16.5 of IS 1554 (P-1), IS 10810 (P-58), ASTM D2863
49	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Category C 1 Temperature Index Test	Cl. 16.10 of IS 1554 (P-1), IS 10810 (P-64), ASTM D2863
50	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Category C 2 Flame Retardance Test on Bunched Cables	Cl. 16.7 of IS 1554 (P-1) & IS 10810 (P-62), IEC 60332 (P-3)
51	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Category C 2 Flame Retardance Test on Single Cable	Cl. 16.7 of IS 1554 (P-1), IS 10810 (P-61)

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52	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty Up to 1100 V)	Category C 2 Halogen Acid Gas Test	Cl. 16.9 of IS 1554 (P-1), IS 10810 (P-59), IEC 60754 (P-1)
53	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty Up to 1100 V)	Category C 2 Oxygen Index Test	Cl. 16.5 of IS 1554 (P-1), IS 10810 (P-58), ASTM D2863
54	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty Up to 1100 V)	Loss of Mass Test	IS 1554 (P-1) Cl. 15.1-d)5), IS 5831, IS 10810 (P-10)
55	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Mass of Zinc Coating Test	Cl. 16.5 of IS 1554 (P-1), IS 10810 (P-58), ASTM D2863
56	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Resistivity Test of Armour (Wires/Strips)	Cl. 13.6 (g) of IS 1554 (P-1), IS 3975, IS 10810 (P-42)
57	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty Up to 1100 V)	Shrinkage test	IS 1554 (P-1) Cl.15.1-d)3), IS 5831, IS 10810 (P-12)
58	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Tensile Strength & Elongation at Break of Armouring Material	Cl.13.6 (a,b) of IS 1554 (P-1), IS 3975, IS 10810 (P-37)
59	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Tensile Strength of Insulation	IS 1554 (P-1) Cl.15.1-d)1), IS 5831, IS 10810 (P-7)
60	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty Up to 1100 V)	Tensile Strength Test for Aluminium Conductor	IS 1554 (P-1) Cl.15.1-a)2), IS 8130, IS 10810 (P-2)
61	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty Up to 1100 V)	Tests on conductor Annealing test (for copper)	IS 1554 (P-1) Cl.15.1-a)1), IS 8130, IS 10810 (P-1)
62	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Thermal Stability	IS 1554 (P-1) Cl.15.1-d)7), IS 10810 (P-60)
63	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Thickness of Insulation	Cl. 15.1-c) of IS 1554 (P-1), IS 10810 (P-6)
64	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Torsion Test on Galvanised Steel Wire for Armouring	Cl. 8.2 of IS 3975, IS 10810 (P-38)
65	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Uniformity of Zinc Coating Test	Cl. 16.5 (c) of IS 1554 (P-1), IS 3975, IS 10810 (P-40)
66	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100 V)	Winding Test on Galvanised Steel Strips for Armouring	Cl. 13.6 (d) of IS 1554 (P-1), IS 3975, IS 10810 (P-39)
67	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty up to 1100)	Category C 1 Flame Retardance Test on Single Cable	Cl. 16.4 of IS 1554 (P-1), IS 10810 (P-53), IEC 60332 (P-1)
68	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Resistivity test of Armour (Wire/strip)	Cl. 13.6(g) of IS 1554 (P-1), IS 3975, IS 10810 (P-42)
69	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Ageing Test in Air oven Tensile strength & elongation at break of insulation	IS 1554 (P-1), Cl. 15.1-d)2) IS 5831, IS 10810 (P-11)

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70	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Category C 2 Smoke Density Test	Cl. 16.8 of IS 1554 (P-1), ASTM D2843
71	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Category C 2 Temperature Index Test	Cl. 16.10 of IS 1554 (P-1), IS 10810 (P-64), ASTM D2863
72	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Cold Bend Test	Cl. 15.4 (a) of IS 1554 (P-1), IS 10810 (P-20)
73	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Cold Impact Test	Cl. 15.4 (b) of IS 1554 (P-1), IS 10810 (P-21)
74	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Conductor Resistance test	IS 1554 (P-1) Cl.15.1-a)4), IS 8130, IS 10810 (P-5)
75	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Dimension for Armouring Material	Cl. 13.3 of IS 1554 (P-1), IS 3975, IS 10810 (P-36)
76	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Elongation at Break of Insulation	IS 1554 (P-1), Cl. 15.1-d)1) IS 5831, IS 10810 (P-7)
77	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Elongation at Break of Sheath	IS 1554 (P-1), Cl. 15.1-d)1) IS 5831, IS 10810 (P-7)
78	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Flammability test	Cl. 16.4 of IS 1554 (P-1), IS 10810 (P-53), IEC 60332 (P-1)
79	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Heat shock test	IS 1554 (P-1) Cl.15.1-d)6), IS 5831, IS 10810 (P-14)
80	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	High Voltage Test (AC)	Cl. 16.2 of IS 1554 (P-1), IS 10810 (P-45)
81	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	High Voltage Test (DC)	Cl. 16.3 of IS 1554 (P-1), IS 10810 (P-45)
82	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Hot deformation test	IS 1554 (P-1), Cl.15.1-d)4) IS 5831, IS 10810 (P-15)
83	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Insulation Resistance (Volume Resistivity) at room temp.	IS 1554 (P-1), Cl.15.1-e) IS 5831, IS 10810 (P-43)
84	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Tensile Strength of Sheath	IS 1554 (P-1), Cl. 15.1-d)1) IS 5831, IS 10810 (P-7)
85	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Thickness of Sheath	Cl. 15.1-c) of IS 1554 (P-1), IS 10810 (P-6)
86	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy duty) Electric Cables for Working Voltages up to & Including 1100 V	Wrapping Test for Aluminium Conductor	IS 1554 (P-1), Cl.15.1-a)3) IS 8130, IS 10810 (P-3)
87	ELECTRICAL- CABLES & WIRES	PVC Insulated PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Category FR-LSH Oxygen Index Test	Cl. 10.5 of IS 694, IS 10810 (P-58), ASTM D2863

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88	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed cables / cords with rigid & flexible conductor for rated voltage up to including 1100 V	Ageing Test in Air Oven of Insulation and sheath	IS 694, Cl. 10 & Table-1(i)c)3),d)3) IS 5831, IS 10810 (P-11)
89	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed cables / cords with rigid & flexible conductor for rated voltage up to including 1100 V	Annealing Test for Copper Conductor	IS 694, Cl. 10 & Table-1(i)a)1) IS 8130, IS 10810 (P-1)
90	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed cables / cords with rigid & flexible conductor for rated voltage up to including 1100 V	Category FR Oxygen Index Test	Cl. 10.5 of IS 694, IS 10810 (P-58), ASTM D2863
91	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed cables / cords with rigid & flexible conductor for rated voltage up to including 1100 V	Category FR Temperature Index Test	Cl. 10.7 of IS 694, IS 10810 (P-64), ASTM D2863
92	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed cables / cords with rigid & flexible conductor for rated voltage up to including 1100 V	Heat Shock Test	IS 694, Cl. 10 & Table- 1 (i)c)5),d)5) IS 5831, IS 10810 (P-14)
93	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Additional Ageing Tests	Cl. 10.9 of IS 694
94	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Category FR- LSH Smoke Density Test	Cl. 10.8 of IS 694, IS 10810 (P-63), ASTM D2843
95	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Category FR-LSH Halogen Acid Gas Test	Cl. 10.6 of IS 694, IS 10810 (P-59), IEC 60754 (P-1)
96	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Category FR-LSH Temperature Index Test	Cl. 10.7 of IS 694, IS 10810 (P-64), ASTM D2863
97	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Cold Bend Test	IS 694, Cl. 10 & Table-1(i)c)8), d)12) IS 5831, IS 10810 (P-20), Amend.-4
98	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Cold Impact Test	IS 694, Cl. 10 & Table-1(i)c)9), d)13) IS 5831, IS 10810 (P-21), Amend.-4
99	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Conductor Resistance Test	Cl. 10.1 of IS 694, IS 10810 (P-5)
100	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Elongation for Insulation	IS 694, Cl. 10 & Table-1(i)c)1),d)1) IS 5831, IS 10810 (P-7)
101	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	High Voltage Test (AC) (At Room Temperature)	Cl. 10.2 of IS 694, IS 10810 (P-45)

SCOPE OF ACCREDITATION

Laboratory Name : GLOSTER CABLES LIMITED, TESTING LAB, SURVEY NO. 293, KALLAKAL (VILLAGE), NH-44, TOOPRAN (MANDAL), MEDAK, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9618 **Page No** 7 of 7

Validity 22/06/2021 to 21/06/2023 **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
102	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	High Voltage Test (DC) (Water Immersion)	Cl. 10.1 of IS 694, IS 10810 (P-45)
103	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Hot Deformation Test	IS 694, Cl. 10 & Table-1(i)c)6),d)6) IS 5831, IS 10810 (P-15)
104	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Insulation Resistance Test(Volume Resistivity at Room Temperature)	IS 694, Cl. 10 & Table-1(i)e)3) IS 5831, IS 10810 (P-43)
105	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Loss of Mass Test	IS 694, Cl. 10 & Table-1(i)c)2),d)2) IS 5831, IS 10810 (P-10)
106	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Persulphate Test	IS 694, Cl. 10.11 & Table-1(i)a)5) Cl. 7.1.1 of IS 8130, IS 10810 (P-4)
107	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Shrinkage Test	IS 694, Cl. 10 & Table-1(i)c)4),d)4) IS 5831, IS 10810 (P-12)
108	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Tensile Strength for Aluminium Conductor	IS 694, Cl. 10 & Table-1(i)a)2) IS 8130, IS 10810 (P-2)
109	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Tensile Strength for Insulation	IS 694, Cl. 10 & Table-1(i)c)1),d)1) IS 5831, IS 10810 (P-7)
110	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Thermal stability	IS 694, Cl. 10 & Table-1(i)c)7), d)7) IS 5831, IS 10810 (P-60)
111	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Thickness of Insulation	IS 694, Cl. 5.3, 8.3 & Table-1 (i)b) IS 10810 (P-6)
112	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and sheathed Cables / Cords with rigid and flexible conductor for rated voltage up to 1100 V	Wrapping Test for Aluminium Conductor	IS 694, Cl. 10 & Table-1(i)a)3) IS 8130, IS 10810 (P-3)
113	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables /Cords with Rigid & Flexible Conductor for Rated Voltage up to including 1100 V	Additional Ageing Tests	Cl. 10.9 of IS 694
114	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables /Cords with Rigid & Flexible Conductor for Rated Voltage up to including 1100 V	Flammability Test	Cl. 10.4 of IS 694, IS 10810 (P-53), IEC 60332 (P-1)