# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** LS CABLE INDIA PVT LTD (LAB DIVISION), PLOT NO 28-31, SECTOR-5, HSIIDC, BAWAL, REWARI, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-9314 **Page No** 1 of 13

**Validity** 09/03/2021 to 08/03/2023 **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 |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Annealing Test (Foe Copper ) | IS: 7098 (Part-1) and IS:1081(Part-1) |
| 2 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables fo rworking voltages from 3.3kV to 33 kV | Carbon Content Test | IS 7098 (Part -2) and IS 10810 (Part-48) |
| 3 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Elongation at break Thermal ageing test for complete cable/Additional Ageing Test on pieces of Completed Cables | IS:7098 (Part 2), IEC 60502-2 |
| 4 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Annealing test (For copper conductor/wires) | IS 7098 (Part-2) and IS 10810 (Part 1) |
| 5 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Bending Test | IS: 7098 (Part-2), IS 10810 (Part 50) |
| 6 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Cold Impact Test | IS:7098 (Part-2) and IS 10810 (Part 21) |
| 7 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Conductor Resistance | IS:7098 (Part-2) and IS 10810 (Part 5) |
| 8 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Dielectric Power Factor Test as a function of temperature & Voltage | IS 7098 (Part -2), IS 10810 (Part-48) |
| 9 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Dimension for armouring material | IS:7098 (Part-2) and IS 10810 (Part 36) |
| 10 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Extruded semiconducting screens-Volume Resistivity | S 7098 (PART 2), IEC 60502-2 |
| 11 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Flame Retardant Test on Bunched cable | IS:7098 (Part-2), IS 10810 (Part 62), IEC 60332-3 (Part 22, 23, 24) |
| 12 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Halogen Acid Gas Evolution Test | IEC 60754-1 |
| 13 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Halogen Acid Gas Evolution Test | IS:7098 (Part-2) and IS 10810 (Part 59) |
| 14 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Heat Cycle Test | IS:7098 (Part-2) and IS 10810 (Part 49) |
| 15 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Heat Shock test | IS:7098 (Part-2) and IS 10810 (Part 14) |
| 16 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | High Voltage Test (4hour Test) | IS:7098 (Part-2), IS 10810 (Part 45), IEC 60502-2 |

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| 17 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | High Voltage test (Routine) | IS:7098 (Part-2), IS 10810 (Pt.45), IEC 60502-2 |
| 18 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Hot deformation test | IS:7098 (Part-2) and IS 10810 (Part 15) |
| 19 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Hot Set Test | IS:7098 (Part-2) and IS 10810 (Part 30) |
| 20 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Impulse Withstand Test | IS 7098 (Part-2), IS 10810 (Part 47) |
| 21 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Insulation Resistance (Volume Resistivity) at Rt and elevated temp. | IS:7098 (Part-2) and IS 10810 (Part 43) |
| 22 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Loss of Mass test on PVC Sheath | IS:7098 (Part-2) & IS 10810 (Part 10) |
| 23 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Mass of Zinc coating | IS:7098 (Part-2) and IS 10810 (Part 41) |
| 24 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Partial Discharge | IS:7098 (Part-2), IS 10810 (Part 46), IEC 60502-2 |
| 25 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Resistivity & Conductance test of Armour | IS:7098 (Part-2) and IS 10810 (Part 42) |
| 26 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Shrinkage Test | IS 7098 (Part -2), IS 10810 (Part-12) |
| 27 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Smoke Density test | ASTM D-2843 |
| 28 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Smoke Density test (Transmittance) | IS:7098 (Part-2), IEC 61034 (Part-1 &2), IS 10810 (Part- 63) |
| 29 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Strippability test for strippable semiconducting insulation screen | IS 7098 (Part -2), IEC 60502-2 |
| 30 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Temperature Index Test | IS:7098 (Part-2), IS 10810 (Part 64), ASTM D-2863 |
| 31 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Tensile strength (For Aluminum) | IS:7098 (Part-2) and IS 10810 (Part 2) |
| 32 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Tensile Strength after Thermal ageing test for complete cable/Additional Ageing Test on pieces of Completed Cables | IS:7098 (Part 2), IEC 60502-2 |
| 33 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Tensile strength Insulation and Sheath (before & After Ageing) | IS 7098 (Part -2) IS 10810 (Part-7 &11) |

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| 34 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Tensile strength on armouring | IS 7098 (Part-2) and IS 10810 (Part 37) |
| 35 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Test for eccentricity | IS:7098 (Part-2) and IS 10810 (Part 6), IEC 60502-2 |
| 36 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Thermal stability | IS:7098 (Part-2) and IS 10810 (Part 60) |
| 37 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Thickness of insulation and sheath /Overall Dimensions | IS:7098 (Part-2) and IS 10810 (Part 6) |
| 38 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Torsion Test on Galvanized steel wire Armouring | IS 7098 (Part -2) and IS:7098 (Part-1) and IS:10810 (Part-38) |
| 39 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Uniformity of Zinc coating (Dip Test) | IS:7098(Part-2) and IS:10810(Part-40) |
| 40 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Water Absorption Test (Gravimetric) | IS:7098 (Part-2) and IS 10810 (Part 33) |
| 41 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Winding/ Wrapping Test on Galvanized steel strip for Armouring | IS:7098 (Part-2) and IS 10810 (Part 39) |
| 42 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Wrapping test (for Aluminum) | IS 7098 (Part -2) and IS 10810 (PART 3) |
| 43 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33kV | Elongation at Break of insulation & Sheath (before and After Ageing) | IS:7098 (Part-2), IS:10810 (Part-7&11) |
| 44 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | AC High Voltage Test | IS 7098 (Part 3), IS10810 (Part 45) |
| 45 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Annealing test (For copper conductor/wires) | IS 7098 (Part 3), IS 10810 (Part 1) |
| 46 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Armour Dimensions | IS 7098 (Part 3), IS 10810 (Part 36) |
| 47 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Bending test | IS 7098 (Part 3), IS:10810 (Part 5) |
| 48 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Capacitance measurement | IS 7098 (Part 3) |
| 49 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Carbon Black Content (for PE sheath) | IS 7098(Part 3), IS:10810(Part 32) |

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| 50 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Cold Impact (for outer sheath) | IS 7098 (Part 3), IS 10810 (Part 21) |
| 51 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Conductor Resistance Test | IS 7098 (Part 3), IS 10810 (Part 5) |
| 52 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Dielectric Power Factor Measurement at RT and Elevated temperature | IS 7098 (Part 3), IEC 60840 |
| 53 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Elongation at break test for insulation and sheath (Before thermal ageing) | IS 7098 (Part 3), IS 10810 (Part 7 & 11) |
| 54 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Flammability test (for PVC outer sheathed cables only) | IS 7098 (Part 3), IS 10810 (Part 53) |
| 55 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Flammability test (for PVC outer sheathed cables only) | IS 7098 (Part 3), IS 10810 (Part 53) |
| 56 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Heat shock Test | IS 7098 (Part 3), IS 10810 (Part 14) |
| 57 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Hot Deformation (for PVC and HDPE sheath) | IS 7098 (Part 3), IS 10810 (Part 15), IEC 60840 |
| 58 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Hot Set Test (for XLPE insulation) | IS 7098 (Part 3) and IS 10810 (Part 30) |
| 59 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Impulse Withstand Test | IS 7098 (Part 3), IS 10810 (Part 47) |
| 60 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Load Cycle test | IS 7098 (Part 3), IEC 60840 |
| 61 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Loss of mass | IS 7098 (Part 3), IS 10810 (Part 10) |
| 62 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Partial Discharge Test | IS 7098 (Part 3), IS 10810 (Part 46) |
| 63 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Resistivity test on semiconducting layers | IS 7098 (Part 3), IEC 60840 |

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| 64 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Shrinkage test (for insulation & sheath) | IS 7098 (Part 3), IS 10810 (Part 12) |
| 65 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Tensile strength (For Aluminum) | IS 7098 (Part 3), IS 10810 (Part 2) |
| 66 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Tensile strength test for insulation and sheath (Before and after thermal ageing) | IS 7098(Part 3), IS 10810 (Part 7 & 11) |
| 67 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Test for armouring material - (Tensile strength) | IS 7098 (Part 3) |
| 68 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Test for armouring material: Wrapping test | IS 7098 (Part 3), IS 10810 (Part 3) |
| 69 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Test for armouring material: (Resistivity Test) | IS 7098 (Part 3), IS 10810 (Part 42) |
| 70 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Test for concentric metallic screen (for Copper wire & Copper tape) | IS 7098 (Part 3) Cl. 20.3 & 20.4 |
| 71 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Test of Thickness of insulation & Sheath and overall dimension | 7098 (Part-3), IS10810 (Part-6) |
| 72 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Thermal ageing test for for complete cable(elongation Test) | IS7098 (Part 3) |
| 73 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Thermal ageing test for for complete cable(Tensile) | IS7098 (Part 3) |
| 74 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Thermal Stability | IS7098 (Part 3), IS 10810 (Part 60) |
| 75 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Thickness measurement of metallic sheath | IS 7098(Part 3), IS 10810(Part 34) |
| 76 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Voltage Test (Spark Test on outer sheath without semi conducting coating) | IS 7098 (Part 3), IEC:60229, IEC 60840 |
| 77 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Water Penetration/tightness Test | IS 7098(Part 3), IEC 60840 |

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| 78 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages From 66 kV to and including 220 kV | Wrapping test (for aluminum) | IS 7098 (Part 3), IS 10810 (Part 3) |
| 79 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Elongation at Break of insulation & Sheath (before and After Ageing) | IS:7098 (Part-1) and IS:10810 (Part-7&11) |
| 80 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Flame Retardant Test on Bunched cable | IEC:60332-3(Part-22,23,24) |
| 81 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Flame Retardant Test on Single cable | SS 4241475 |
| 82 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Flammability test | IEC:60332-(Part-1 &2) |
| 83 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Halogen Acid Gas Evolution test | IS:7098 (Part-1) and IS:10810 (Part-59) |
| 84 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Hot Set Test | IS:7098 (Part-1) and IS:10810 (Part-30) |
| 85 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Mass of Zinc coating | IS: 7098(Part-1) and IS 10810 (Part 41) |
| 86 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Resistivity/Conductance test of Armour wire /Strips | IS: 7098 (Part-1) and IS 10810 (PART-42) |
| 87 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Smoke Density test | ASTM D-2843 |
| 88 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Smoke Density test (Transmittance) | IEC 61034 (Part-1 & 2), IS 10810 (Part- 63) |
| 89 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Tensile strength for armouring Material | IS: 7098 (Part-1) and IS 10810 (Part-37) |
| 90 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V | Uniformity of Zinccoating (Dip Test) | IS: 7098(Part-1) and IS 10810 (Part 40) |
| 91 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Dimension for Armouring Wire | IS:7098 (Part-1) and IS:10810 (Part-36) |

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| 92 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Armour Coverage | IS:7098 (Part-1) |
| 93 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Cold Bend Test | IS: 7098 (Part-1) and IS 10810 (Part-20) |
| 94 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Cold Impact | IS:7098 (Part-1) and IS:10810 (Part-21) |
| 95 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Conductor Resistance | IS:7098 (Part-1) and IS:10810 (Part-5) |
| 96 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Elongation at break for armouring Material | IS: 7098 (Part-1) and IS 10810 (Part-37) |
| 97 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Flame Retardant Test on Bunched Cable | IS:7098 (Part-1) and IS:10810 (Part-62) |
| 98 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Flame Retardant Test on Single cable | IS:7098 (Part-1) and IS:10810 (Part-61) |
| 99 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Flammability test | IS: 7098(Part-1) and IS 10810(PART-53) |
| 100 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Flammability test | IS:7098 (Part-1) and IS:10810 (Part-53) |
| 101 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Heat Shock test on Sheath | IS 7098 (Part-1) and IS 10810 (Part-14) |
| 102 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | High Voltage test at room temperature | IEC:60754-1 |
| 103 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | High Voltage test at room temperature | IS:7098 (Part-1) and IS:10810 (Part-45) |
| 104 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Hot deformation test | IS: 7098 (Part-1) and IS 10810 (Part-15) |
| 105 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Insulation Resistance (Volume resistivity) | IS:7098(Part-1) and IS:10810(Part-43) |

# 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 |
|---|---|---|---|---|
| 106 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Loss of Mass test | IS:7098 (Part-1) and IS:10810 (Part-36) |
| 107 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Oxygen Index test | ASTM D-2863 |
| 108 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Oxygen IndexTest | IS: 7098(Part-1) and IS 10810 (Part 58) |
| 109 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Shrinkage Test | IS: 7098 (Part-1) and IS 10810 (Part- 12) |
| 110 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Temperature Index Test | IS 7098 (Part-1) and IS 10810 (Part 64) |
| 111 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Tensile strength Insulation and Sheath (before & After Ageing) | IS:7098 (Part-1) and IS:10810(Part-7 &11) |
| 112 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Tensile strength (for Aluminum conductor) | IS:7098(Part-1) and IS: 10810(Part-2) |
| 113 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Thermal stability | IS: 7098 (Part-1) and IS 10810 (PART-60) |
| 114 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Thickness of insulation and sheath /Overall Dimensions | IS: 7098(Part-1) and IS 10810 (Part- 6) |
| 115 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Torsion Test on Galvanized steel wire Armouring | IS: 7098(Part-1) and IS 10810 (Part-38) |
| 116 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Water Absorption Test (Gravimetric) | IS:7098 (Part-1) and IS:10810(Part-33) |
| 117 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Winding/ Wrapping Test on Galvanized steel strip for Armouring | IS 7098(Part-1) and IS 10810 (Part 39) |
| 118 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V. | Wrapping Test (for Aluminum) | IS:7098(Part-1) and IS 10810 (Part 3) |
| 119 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables forworking voltages from 3.3kV to 33 kV | Armour Coverage | IS:7098 (Part-2) |

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|---|---|---|---|---|
| 120 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables forworking voltages from 3.3kV to 33 kV | Elongation at break on Armouring Material | IS:7098 (Part-2) and IS 10810 (Part 37) |
| 121 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables forworking voltages from 3.3kV to 33 kV | Flammability test | IS:7098 (Part-2) and IS 10810(PART-53), IEC 60332 (Part 1 & 2) |
| 122 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables forworking voltages from 3.3kV to 33 kV | Flammability test | IS:7098 (Part-2): and IS 10810 (PART-53) |
| 123 | ELECTRICAL- CABLES & WIRES | Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables forworking voltages from 3.3kV to 33 kV | Oxygen Index Test | IS:7098 (Part-2), IS 10810 Pt 58, ASTM D-2863 |
| 124 | ELECTRICAL- CABLES & WIRES | LV Cables, MV Cables, HV Cables & EHV Cables | Flammability test(Ladder test) | IEEE 383 |
| 125 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/ cords with rigid and flexible conductor for rated voltages up to and including 1100 V | High Voltage Test | IS 694 and IS 10810 (Part-45) |
| 126 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/ cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Persulphate Test (for Tinned Copper) | IS 694, IS 10810 (Part-4) |
| 127 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Additional Ageing Test ( Elongation at Break) | IS 694 |
| 128 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Additional Ageing Test (Tensile Strength) | IS 694 |
| 129 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Annealing test (For copper conductor) | IS 694, IS 10810 (Part-1) |
| 130 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Flammability test (Burning time after removal of flame) | IS 694, IS 10810 (Part-53) |
| 131 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Halogen Acid Gas Evolution Test | IS 694, IS 10810 (Part-59) |
| 132 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Heat Shock test on Insulation & Sheath | IS 694, IS 10810 (Part-14) |
| 133 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | High Voltage Test (Water Immersion test) | IS 694, IS 10810 (Part-45) |
| 134 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Insulation Resistance(Volume Resistivity) at RT and Elevated temp. | IS 694, IS 10810 (Part-43) |

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|---|---|---|---|---|
| 135 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Loss of Mass test | IS 694, IS 10810 (Part-10) |
| 136 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Oxygen Index | IS: 694, IS 10810 (Part- 58), ASTM D-286 |
| 137 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Shrinkage Test | IS 694, IS 10810 (Part-12) |
| 138 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Temperature Index | IS:694, IS 10810 (Part-64), ASTM D-2863 |
| 139 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V | Tensile strength on Insulation and Sheath (Before and After Ageing) | IS 694, IS 10810 (Part-7 & 11) |
| 140 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Cold Bend Test | IS 694, IS 10810 (Part-20) |
| 141 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Cold impact test | IS 694, IS 10810 (Part-20) |
| 142 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Conductor Resistance | IS 694, IS 10810 (Part-5) |
| 143 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Density of Smoke from the Burning or Decomposition of Plastics | IS 694, IS 13360 (Part-6Section 9), ASTM D-2843 |
| 144 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Elongation at break on Insulation and Sheath (Before and after ageing) | IS 694, IS 10810 (Part-7 & 11) |
| 145 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Flammability test (Remaining Length) | IS 694, IS 10810 (Part-53) |
| 146 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Halogen Acid Gas Evolution Test | IS 694, IEC 60754-1 |
| 147 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | High Voltage Test at room temperature or Spark Test | IS 10810 (Part-45) & (Part-44) |
| 148 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Hot Deformation test | IS 694, IS 10810 (Part-15) |

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|---|---|---|---|---|
| 149 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Tensile Strength (for aluminum conductor) | IS 694, IS 10810 (Part-2) |
| 150 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Test for Thickness of insulation and sheath/Overall Dimensions /Ovality | IS 694, IS 10810 (Part-6) |
| 151 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Thermal stability | IS 694, IS 10810 (Part-60) |
| 152 | ELECTRICAL- CABLES & WIRES | Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V. | Wrapping test (for aluminum) | IS 694, IS 10810 (Part-3) |
| 153 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100 V | Oxygen Index Test | IS:1554 (Part-1), IS 10810 (Part 58), ASTM D 2863 |
| 154 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100 V | Temperature Index Test | IS:1554 (Part-1) & IS 10810 (Part 64), ASTM D 2863 |
| 155 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Armour Coverage | IS:1554(Part-1) |
| 156 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Dimension of armouring material | IS:1554 (Part-1) & IS 10810 (Part 36) |
| 157 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages Up to1100 V | Elongation at break for armouring material | IS:1554(Part-1) & IS 10810 (Part 37) |
| 158 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Heat Shock test onInsulation & Sheath | IS:1554 (Part-1) & IS 10810 (Part 14) |
| 159 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | High Voltage test (Water immersion & DC HV) | IS:1554 (Part-1) & IS 10810 (Part 45) |
| 160 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Hot deformation test | IS:1554 (Part-1) & IS 10810 (Part 15) |
| 161 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Loss of Mass test | IS:1554 (Part-1) & IS 10810 (Part 10) |
| 162 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Mass of Zinc coating | IS:1554 (Part-1) & IS 10810 (Part 41) |
| 163 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Shrinkage Test | IS:1554 (Part-1) & IS 10810 (Part 12) |
| 164 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Tensile strength (for aluminum conductor) | IS:1554 (Part-1) & IS 10810 (Part 2) |
| 165 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Tensile strength of Insulation & sheath (Before and after Ageing) | IS:1554(Part-1) & IS 10810 (Part 7 & 11) |

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|---|---|---|---|---|
| 166 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Test for Thickness of insulation and sheath | IS:1554 (Part-1) & IS 10810 (Part 6) |
| 167 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Thermal stability | IS:1554 (Part-1) & IS 10810 (Part 60) |
| 168 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100 V | Uniformity of Zinc coating (Dip Test) | IS:1554 (Part-1) & IS 10810 (Part 40) |
| 169 | ELECTRICAL- CABLES & WIRES | PVC insulated (Heavy Duty) Electrical Cables for working voltages up to & including 1100 V | Annealing Test (For copper Conductor) | IS:1554 (Part-1) & IS 10810 (Part 1) |
| 170 | ELECTRICAL- CABLES & WIRES | PVC insulated (Heavy Duty) Electrical Cables for working voltages up to & including 1100 V | Mass of Zinc coating | IS:1554 (Part-1) & IS 10810 (Part 41) |
| 171 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100 V | Wrapping test (for aluminum) | IS:1554 (Part-1) & IS 10810 (Part 3) |
| 172 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to 1100 V | Torsion Test on Galvanized steel wire for Armouring | IS:1554 (Part-1) & IS 10810 (Part 38) |
| 173 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 | Winding/ Wrapping Test on Galvanized steel strip for Armouring | IS:1554 (Part-1) & IS 10810 (Part 39) |
| 174 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Cold Bend Test | IS:1554 (Part-1) & IS 10810 (Part 20) |
| 175 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Cold Impact test | IS:1554 (Part-1) & IS 10810 (Part 21) |
| 176 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Conductor Resistance | IS:1554 (Part-1) & IS 10810 (Part 5) |
| 177 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Elongation at break (Before & after ageing) | IS:1554 (Part-1) & IS 10810 (Part 7&11) |
| 178 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Flame Retardant Test on Bunched cable | IS 10810 (Pt 62), IEC 60332-3 (Part 22, 23, 24) |
| 179 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Flame Retardant Test on Single cable | IS:1554 (Part-1) & IS 10810 (Part 61), SS4241475 |
| 180 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Flammability test (Burning Time after removal of flame) | IS:1554(Part-1) & IS 10810 (Part 53) |
| 181 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Flammability test (Remaining Length) | IS:1554 (Part-1) & IS 10810 (Part 52) |
| 182 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Halogen Acid Gas Evolution Test | IEC 60754-1 |
| 183 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | High Voltage test at room temperature (Routine) | IS:1554 (Part-1) & IS 10810 (Part 45) |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
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|---|---|---|---|---|
| 184 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Insulation Resistance(Volume Resistivity) at RT and Elevated temp. | S:1554 (Part-1) & IS 10810 (Part 43) |
| 185 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Resistivity &Conductance test of Armour (Wires/strips) | IS:1554 (Part-1) & IS 10810 (Part 42) |
| 186 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Smoke Density test | ASTM D-2843 |
| 187 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages up to1100 V | Smoke Density test (Transmittance) | IS:1554 (Part-1), IEC 61034 (Part-1&2), IS 10810 (Part- 63) |
| 188 | ELECTRICAL- CABLES & WIRES | PVC Insulated (Heavy Duty)Electric cables for working voltages Up to1100 V | Tensile strength armouring material | IS:1554 (Part-1) & IS 10810 (Part 37) |
| 189 | ELECTRICAL- CABLES & WIRES | PVC Insulated (HeavyDuty)Electric cables for working voltages up to1100 V | Halogen Acid Gas Evolution Test | S 10810 (Part 59) |
| 190 | ELECTRICAL- CABLES & WIRES | ross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3kV to 33 kV | Flame Retardant Test on Single cable | IS:7098 (Part-2), IS:10810 (Pt.61), SS4251475 |