National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LAB OF MOTHERSON SUMI ELECTRIC WIRES (A DIVISION OF MOTHERSON SUMI SYSTEMS LIMITED., A 32,33, SECTOR 60, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9341 **Page No** 1 of 2

Validity 23/03/2021 to 22/03/2023 **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	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Cable outer Diameter	JASO D 618 (Cl.6.1)
2	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Cable Outside Diameter	ISO 19642-2,(Cl.5.1.2)
3	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Conductor Diameter	ISO 19642-2,(Cl.5.1.4)
4	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Conductor Outer Diameter	JASO D 618, (Cl.6.1)
5	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Conductor resistance	ISO 19642-2, (Cl.5.2.1)
6	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Conductor resistance	JASO D 618, (Cl.6.2.1)
7	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Cross sectional Area	ISO 19642-2 (Cl.5.1.5)
8	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Flame Resistance	JASO D 618, (Cl.6.13)
9	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Heat Resistance-1A	JASO D 618 (Cl.6.8.1)
10	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Heat Resistance-1B	JASO D 618 (Cl.6.8.2)
11	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Heat Resistance-1C	JASO D 618, (Cl.6.8.3)
12	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Heat shrinkage test	JASO D 618, (Cl.6.10)
13	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Heating Deformation test	JASO D 618,(Cl.6.4)
14	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Insulation Resistance	JASO D 618, (Cl.6.2.4)
15	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Insulation tensile test (Elongation)	JASO D 618, (Cl.6.3)
16	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Insulation thickness	ISO 19642-2, (Cl.5.1.3)
17	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Insulation thickness	JASO D 618, (Cl.6.1)
18	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Insulation volume resistivity	ISO 19642-2, (Cl.5.2.6)

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19	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Insulator tensile test (Tensile strength)	JASO D 618 (Cl.6.3)
20	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Long term heat ageing	ISO 19642-2, (Cl.5.4.2)
21	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Pressure Test at High Temperature	ISO 19642-2, (Cl.5.4.5)
22	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Resistance to Flame Propagation	ISO 19642-2 (Cl.5.4.15)
23	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Scrape Abrasion	ISO 19642-2 (Cl.5.3.2.5)
24	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Scrape Abrasion	JASO D 618 (Cl.6.7.2)
25	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Short term heat ageing	ISO 19642-2,(Cl.5.4.3)
26	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Shrinkage by heat	ISO 19642-2, (Cl.5.4.6)
27	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Withstand voltage	ISO 19642-2, (Cl.5.2.3)
28	ELECTRICAL- CABLES & WIRES	Electric cable in road vehicle up to 60V dc/Insulating Material PVC	Withstand Voltage	JASO D 618, (Cl.6.2.2)
29	ELECTRICAL- CABLES & WIRES	Insulated Unsheathed And Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V / PVC	Shrinkage test	IS 10810(Part-12)
30	ELECTRICAL- CABLES & WIRES	Insulated Unsheathed And Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V/PVC	Overall Diameter	IS 694, (Cl.9)
31	ELECTRICAL- CABLES & WIRES	Insulated Unsheathed And Sheathed Cables/Cords With Rigid And Flexible Conductor For Rated Voltages Up To And Including 1100 V/ PVC	Insulation Resistance Test	IS 10810(Part-43)