Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)

Certificate of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi-110095, India

has been assessed and accredited in accordance with the Standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing and Calibration Laboratories"
In the field of

Testing

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance to the above standard & any other requirements specified by QAI.

QAI/CIA/TL/2023/0033

Valid from: ***25 November 2023***

Valid until: ***24 November 2025***

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: ***25 November 2023***
Valid until: ***24 November 2025***

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Transmission line equipment & Accessories		
1.	Aluminium Alloy Strand conductor	Breaking Load	Cl. 12.2 of IS 398 (Part 4):1994 RA: 2014
2.	Aluminium Alloy Strand conductor	Calculated Breaking Load of Conductor	Annex B (B-3) of IS 398 (Part 4):1994 RA: 2014
3.	Aluminium Alloy Strand conductor	Elongation	Cl. 12.3 of IS 398 (Part 4):1994 RA: 2014
4.	Aluminium Alloy Strand conductor	Resistance	Cl. 12.4 of IS 398 (Part 4):1994 RA: 2014
5.	Aluminium Alloy Strand conductor	Measurement of Lay Ratio	Cl. 9.2 of IS 398 (Part 4):1994 RA: 2019
6.	Aluminium Conductor for overhead transformation	Breaking Load Test of individual aluminium wires	Cl. 12.3 of IS 398 (Part 1):1996 RA: 2018
7.	Aluminium Conductor for overhead transformation	Measurement of diameter of aluminium wire	Cl. 12.2 of IS 398 (Part 1):1996 RA: 2018
8.	Aluminium Conductor for overhead transformation	Measurement of Lay Ratio	Cl. 12.6 of IS 398 (Part 1):1996 RA: 2018
9.	Aluminium Conductor for overhead transformation	Resistance Test of Aluminium Wire	Cl. 12.5 of IS 398 (Part 1):1996 RA: 2018
10.	Aluminium Conductor for overhead transformation	Wrapping Test of aluminium wire	Cl. 12.4 of IS 398 (Part 1):1996 RA: 2018
11.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Breaking Load of Individual Wires	Cl. 13.3.1 of IS 398 (Part 2):1996 RA: 2018

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Transmission line equipment & Accessories		
12.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Ductility Test (Elongation %)	Cl. 13.4.2 of IS 398 (Part 2):1996 RA: 2018
13.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Galvanizing Test	Cl. 13.7 of IS 398 (Part 2):1996 RA: 2018
14.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Measurement of diameter of individual aluminium and steel wire	Cl. 13.2 of IS 398 (Part 2):1996 RA: 2018
15.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Measurement of Lay Ratio	Cl. 13.8 of IS 398 (Part 2):1996 RA: 2018
16.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Resistance Test	Cl. 13.6 of IS 398 (Part 2):1996 RA: 2018
17.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Torsion Test	Cl. 13.4.1 of IS 398 (Part 2):1996 RA: 2018

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Transmission line equipment & Accessories		
18.	Aluminium Conductor for overhead transmission purpose aluminium conductors and galvanized steel- reinforced	Wrapping Test	Cl. 13.5 of IS 398 (Part 2):1996 RA: 2018
19.	Aluminium Conductors, Galvanized Steel Reinforced	Visual Examination	Cl. 13.2 of IS 398 (Part 5): 1992
20.	Aluminium Conductors, Galvanized Steel Reinforced	Measurement of diameters of individual aluminium and steel wires	Cl. 13.3 of IS 398 (Part 5): 1992
21.	Aluminium Conductors, Galvanized Steel Reinforced	Measurement of lay ratio of each layer	Cl. 13.4 of IS 398 (Part 5): 1992
22.	Aluminium Conductors, Galvanized Steel Reinforced	Breaking Load Test	Cl. 13.5 of IS 398 (Part 5): 1992
23.	Aluminium Conductors, Galvanized Steel Reinforced	Ductility Test	Cl. 13.6 of IS 398 (Part 5): 1992
24.	Aluminium Conductors, Galvanized Steel Reinforced	Wrapping Test	Cl. 13.7 of IS 398 (Part 5): 1992
25.	Aluminium Conductors, Galvanized Steel Reinforced	Resistance Test	Cl. 13.8 of IS 398 (Part 5): 1992
26.	Aluminium Conductors, Galvanized Steel Reinforced	Galvanizing Test	Cl. 13.9 of IS 398 (Part 5): 1992
27.	High Conductivity Aluminium Alloy Stranded Conductors	Visual Examination	Cl. 16.2 of IS 398 (Part 6): 2021
28.	High Conductivity Aluminium Alloy Stranded Conductors	Measurement of Lay Ratio / Direction of Lay	Cl. 16.3 of IS 398 (Part 6): 2021

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Transmission line equipment & Accessories		
29.	High Conductivity Aluminium Alloy Stranded Conductors	Measurement of diameters of individual Aluminium Alloy wires	Cl. 16.4 of IS 398 (Part 6): 2021
30.	High Conductivity Aluminium Alloy Stranded Conductors	Breaking Load Test	Cl. 16.5 of IS 398 (Part 6): 2021
31.	High Conductivity Aluminium Alloy Stranded Conductors	Elongation Test	Cl. 16.6 of IS 398 (Part 6): 2021
32.	High Conductivity Aluminium Alloy Stranded Conductors	Resistivity Test	Cl. 16.7 of IS 398 (Part 6): 2021
33.	High Conductivity Aluminium Alloy Stranded Conductors	Wrapping Test	Cl. 16.8 of IS 398 (Part 6): 2021
34.	High Conductivity Aluminium Alloy Stranded Conductors	D.C. Resistance Test on Stranded Conductor	Cl. 16.10 of IS 398 (Part 6): 2021

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
1.	Aerial Bunched Cables for working voltages upto and including 1100V	Environmental Stress Cracking	Cl. 5.1 & Table-2 IS 14255:1995 RA: 2020
2.	Aerial Bunched Cables for working voltages upto and including 1100V	Ageing in Air Oven on Insulation	Cl. 5.1, Table-1 of IS 14255:1995 RA: 2020
3.	Aerial Bunched Cables for working voltages upto and including 1100V	Bending Test on complete cable	Cl. 11.4 of IS 14255:1995 RA: 2020
4.	Aerial Bunched Cables for working voltages upto and including 1100V	Breaking load on Messenger Conductor	Cl. 6.5, Table-3 of IS 14255:1995 RA: 2020
5.	Aerial Bunched Cables for working voltages upto and including 1100V	Carbon Black Content & Dispersion	Table 1 of IS 14255:1995 RA: 2020
6.	Aerial Bunched Cables for working voltages upto and including 1100V	Conductor Resistance Test / Resistance of Conductors	Cl. 10.1 of IS 14255:1995 RA: 2020
7.	Aerial Bunched Cables for working voltages upto and including 1100V	Elongation Test on Messenger Conductor	Cl. 10.1, Cl. 11.3 of IS 14255:1995 RA: 2020
8.	Aerial Bunched Cables for working voltages upto and including 1100V	High Voltage Test at Room Temperature	Cl. 10.1, Cl. 11.2 of IS 14255:1995 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
9.	Aerial Bunched Cables for working voltages upto and including 1100V	Hot Set Test	Cl. 10.1, Table 1 of IS 14255:1995 RA: 2020
10.	Aerial Bunched Cables for working voltages upto and including 1100V	Melt Flow Index	Cl. 10.1, Table 2 of IS 14255:1995 RA: 2020
11.	Aerial Bunched Cables for working voltages upto and including 1100V	Resistance Test on Phase/Messenger/Street Light Conductor	Cl. 10.1 of IS 14255:1995 RA: 2020
12.	Aerial Bunched Cables for working voltages upto and including 1100V	Shrinkage Test on Insulation & Sheath	Cl. 10.1, Table 1 of IS 14255:1995 RA: 2020
13.	Aerial Bunched Cables for working voltages upto and including 1100V	Tensile Strength & Elongation at Break on Insulation & Sheath	Cl. 10.1, Table 1 & Table 2 of IS 14255:1995 RA: 2020
14.	Aerial Bunched Cables for working voltages upto and including 1100V	Tensile Test on Phase/Street Light Conductor	Cl. 10.1 of IS 14255:1995 RA: 2020
15.	Aerial Bunched Cables for working voltages upto and including 1100V	Thickness of Insulation	Cl. 10.1, Table 4 of IS 14255:1995 RA: 2020
16.	Aerial Bunched Cables for working voltages upto and including 1100V	Vicat Softening Point	Cl. 10.1, Table 2 of IS 14255:1995 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
17.	Aerial Bunched Cables for working voltages upto and including 1100V	Insulation Resistance (Volume Resistivity) Test	Cl. 10.1, Table 1 & Table 2 of IS 14255:1995 RA: 2020
18.	Aerial Bunched Cables for working voltages upto and including 1100V	Water Absorption (Gravimetric)	Cl. 10.1, Table 1 of IS 14255:1995 RA: 2020
19.	Aluminium or Aluminium alloy Wires	Breaking load on Messenger Conductor	IS:10810 (Part 2)-1984 RA: 2021
20.	Aluminium Wire	Tensile Test on Phase/Street Light Conductor	IS:10810 (Part 2)-1984 RA: 2021
21.	Aluminium Wire	Tensile Test (for Aluminium)	IS:10810 (Part 2)-1984 RA: 2021
22.	Aluminium Wire	Wrapping Test (for Aluminium)	IS:10810 (Part 3)-1984 RA: 2021
23.	Conductors For Insulated Electric Cables and Flexible Cords	Annealing test (for copper)	IS 8130: 2013 RA: 2018
24.	Conductors For Insulated Electric Cables and Flexible Cords	Conductor Resistance Test / Resistance of Conductors	IS 8130: 2013 RA: 2018
25.	Conductors For Insulated Electric Cables and Flexible Cords	Persulphate Test (for tinned copper conductor cable only)	IS 8130: 2013 RA: 2018
26.	Conductors For Insulated Electric Cables and Flexible Cords	Tensile Test (for Aluminium)	IS 8130: 2013 RA: 2018
27.	Conductors of insulated cables	Conductor Resistance Test	IS:10810 (Part 5)-1984 RA: 2021

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
28.	Conductors of insulated cables	Resistance Test on Phase/ Messenger/Street Light Conductor	IS:10810 (Part 5)-1984 RA: 2021
29.	Copper	Annealing Test (For Copper)	IS:10810 (Part 1)-1984 RA: 2021
30.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Ageing in Air Oven on Insulation & Sheath	Cl. 15.1 (d) (ii) & (e) (ii) of IS:7098 (Part 1) - 1988 RA: 2020
31.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Annealing test (for copper)	Cl. 15.1 (a) (i) of IS:7098 (Part 1) - 1988 RA: 2020
32.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Armoured Courvage Percentage	Cl. 13.1.2, Appendix C of IS:7098 (Part 1) - 1988 RA: 2020
33.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Cold Bend Test	Cl. 15.4 (a) of IS:7098 (Part 1) - 1988 RA: 2020
34.	Cross Linked Polyethylene Insulated Thermoplastic	Cold Impact Test	Cl. 15.4 (b) of IS:7098 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	Sheathed cables for working voltages upto and including 1100V		
35.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Conductor Resistance Test / Resistance of Conductors	Cl. 15.1 (a) (iv) of IS:7098 (Part 1) - 1988 RA: 2020
36.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Determination of the halogen acid gas content	Cl. 16.13 of IS:7098 (Part 1)-1988 RA: 2020
37.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Dimensions of Armouring Material	Cl. 13.3 of IS:7098 (Part 1)-1988 RA: 2020
38.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Flame Retardance test on Bunched Cables	Cl. 16.11 of IS:7098 (PART 1) - 1988 RA: 2020
39.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Flame Retardance test on single Cables	Cl. 16.10 of IS:7098 (PART 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
40.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Flammability Test / Flame Propagation on Single Cable	Cl. 16.3 of IS:7098 (Part 1) - 1988 RA: 2020
41.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Heat Shock Test on Sheath	Cl. 15.1 (e) (vi) of IS:7098 (Part 1) - 1988 RA: 2020
42.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	High Voltage Test at Room Temperature	Cl. 16.2 of IS:7098 (Part 1)-1988 RA: 2020
43.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Hot Deformation/ Pressure Test at High Temperature on Sheath	Cl. 15.1 (e) (v) of IS:7098 (Part 1) - 1988 RA: 2020
44.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Hot Set Test	Cl. 15.1 (d) (iii) of IS:7098 (Part 1) - 1988 RA: 2020

Scope of Accreditation
TVS LABS
1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
45.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Loss of Mass in Air Oven	Cl. 15.1 (e) (iii) of IS:7098 (Part 1) - 1988 RA: 2020
46.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Mass of Zinc Coating	Cl. 13.6 (f) of IS:7098 (PART 1) - 1988 RA: 2020
47.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Measurement of Temperature Index	Cl. 16.14 of IS:7098 (Part 1)-1988 RA: 2020
48.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Oxygen Index Test	Cl. 16.9 of IS:7098 (Part 1)-1988 RA: 2020
49.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Resistivity Test	Cl. 13.6 (g) of IS:7098 (PART 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
50.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Shrinkage Test on Insulation & Sheath	Cl. 15.1 (d) (iv) & (e) (iv) of IS:7098 (Part 1) - 1988 RA: 2020
51.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Smoke Density Rating	Cl. 16.15 of IS:7098 (Part 1)-1988 RA: 2020
52.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Tensile strength & Elongation at break for armouring material	Cl. 13.6 (a) and (b) of IS:7098 (PART 1) - 1988 RA: 2020
53.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages upto and including 1100V	Tensile Strength & Elongation at Break on Insulation & Sheath	Cl. 15.1 (d) (i) & (e) (i) of IS:7098 (Part 1) - 1988 RA: 2020
54.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Tensile Test (for Aluminium)	Cl. 15.1 (a) (ii) of IS:7098 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
55.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Thickness of Insulation & Sheath	Cl. 15.1 (c) of IS:7098 (Part 1) - 1988 RA: 2020
56.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Thermal Stability Test on Sheath	Cl. 15.1 (e) (vii) of IS:7098 (Part 1) - 1988 RA: 2020
57.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Torsion Test for Round Wire	Cl. 13.6 (c) of IS:7098 (PART 1) - 1988 RA: 2020
58.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Uniformity of Zinc Coating	Cl. 13.6 (e) of IS:7098 (PART 1) - 1988 RA: 2020
59.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Volume Resistivity	Cl. 15.1 (f) of IS:7098 (Part 1) - 1988 RA: 2020
60.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Water Absorption (Gravimetric)	Cl. 15.1 (d) (v) of IS:7098 (Part 1) - 1988 RA: 2020
61.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Winding Test for Formed Wire	Cl. 13.6 (d) of IS:7098 (PART 1) - 1988 RA: 2020
62.	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working	Wrapping Test (for Aluminium)	Cl. 15.1 (a) (iii) of IS:7098 (Part 1) - 1988 R: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
63.	Insulation and sheathing materials	Hot Set Test	IS:10810 (Part 30)-1984 RA: 2021
64.	Dielectric material of electric cables	Insulation Resistance	IS:10810 (Part 43)-1984 RA: 2021
65.	Dielectric material of electric cables	Volume Resistivity	IS:10810 (Part 43)-1984 RA: 2021
66.	Electric Cables	Flammability Test	IS:10810 (Part 53)-1984 RA: 2021
67.	Electric Cables	Flame Retardance test on single Cables	IS:10810 (Part 61)-1988 RA: 2020
68.	Electric Cables	High Voltage test (Water immersion)	IS:10810 (Part 45)-1984 RA: 2021
69.	Electric Cables	Measurement of Smoke Density of Electric Cables Under Fire Condition	IS:10810 (Part 63)-1993 RA: 2019
70.	Electric Cables	High Voltage Test at Room Temperature	IS:10810 (Part 45)-1984 RA: 2016
71.	Electric or optical fibre cables	Flame Retardance test on Bunched Cables	IEC 60332-3-21: 2018
72.	Electric or optical fibre cables	Flame Retardance test on Bunched Cables	IEC 60332-3-22: 2018
73.	Electric or optical fibre cables	Flame Retardance test on Bunched Cables	IEC 60332-3-23: 2018
74.	Electric or optical fibre cables	Flame Retardance test on Bunched Cables	IEC 60332-3-24: 2018
75.	Electric or optical fibre cables	Flame Retardance test on Bunched Cables	IEC 60332-3-25: 2018

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
76.	Electric or optical fibre cables	Flame Retardance test on Bunched Cables	IEC 60332-1-2: 2011
77.	Electrical Wires or cables	Flame Retardance test on Bunched Cables	IS:10810 (Part 62)-1993 RA: 2014
78.	Fire Retardant Low Smoke Zero Halogen Cables	Measurement of Smoke Density of Electrical Cables under fire conditions	IEC/BS EN 61034-2: 2005
79.	Halogenated polymers and compounds from electric or optical fibre cable	Determination of the halogen acid gas content	IEC 60754-1: 2011
80.	Halogenated polymers and compounds from electric or optical fibre cable	Determination of the halogen acid gas content	IS:10810 (Part 59)-1988 RA: 2020
81.	Insulation and sheath of electric cables	Ageing in Air Oven on Insulation & Sheath	IS:10810 (Part 11)-1984 RA: 2021
82.	Insulation and sheath of electric cables	Measurement of Temperature Index	IS:10810 (Part 64)-2003 RA: 2018
83.	Insulation and sheath of electric cables	Oxygen Index Test	ASTM D2863-17a: 2017
84.	Insulation and sheath of electric cables	Oxygen Index Test	IS:10810 (Part 58)-1998 RA: 2019
85.	Insulation and sheath of electric cables	Shrinkage Test on Insulation & Sheath	IS:10810 (Part 12)-1984 RA: 2021
86.	Insulation and sheath of electric cables	Water Absorption (Gravimetric)	IS:10810 (Part 33)-1984 RA: 2021

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
87.	Insulation/non-metallic sheathing materials of electric cables	Oil Resistance Test	IS:10810 (Part 31)-1984 RA: 2021
88.	Low Carbon Galvanized Steel Formed Wires	Winding Test for Formed Wire	IS:10810 (Part 39)-1984 RA: 2021
89.	Low Carbon Galvanized Steel Wires	Torsion Test for Round Wire	IS:10810 (Part 38)-1984 RA: 2021
90.	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes	Uniformity of Zinc Coating	IS:10810 (Part 40)-1984 RA: 2021
91.	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes	Dimensions of Armouring Material	IS:10810 (Part 36)-1984 RA: 2021
92.	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes	Mass of Zinc Coating	IS:10810 (Part 41)-1984 RA: 2021
93.	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes	Mass of Zinc Coating	IS 4826 :1979 RA: 2016
94.	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes	Resistivity Test	IS:10810 (Part 42)-1984 RA: 2021
95.	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes	Tensile strength & Elongation at break for armouring material	IS:10810 (Part 37)-1984 RA: 2021
96.	Metallic Materials	Tensile Strength & Elongation	IS 1608 (Part 1) & (Part 3): 2018

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
97.	Metallic Materials	Wrapping Test	IS 1755: 2018
98.	Plastics and Plastic Material	Smoke Density Rating	ASTM D2843-16: 2016
99.	Plastics and Plastic Materials	Smoke Density Rating	IS 13360 (Part 6/Sec 9)-2001: 2016
100.	Polyethylene insulation and sheath of electric cables	Environmental stress cracking test	IS:10810 (Part 29)-1984 RA: 2021
101.	Polyethylene insulation and sheath of electric cables	Melt Flow Index	IS:10810 (Part 23)-1984 RA: 2021
102.	Polyethylene insulation and sheath of electric cables or Olefin Plastics	Caron Black Content & Dispersion	IS:10810 (Part 32)-1984 RA: 2021
103.	Polyethylene insulation and sheath of electric cables or Olefin Plastics	Vicat Softening Point	IS:10810 (Part 22)-1984 RA: 2021
104.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Additional Ageing Test	Cl. 10.9 of IS 694:2010 RA: 2020
105.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Ageing in Air Oven on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
106.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Annealing test (for copper)	Table 1 of IS 694:2010 RA: 2020
107.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Clarity, Legality and Durability	Cl. 11.1, Cl. 11.2 of IS 694:2010 RA: 2020

Scope of Accreditation
TVS LABS
1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
108.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Cold Bend Test on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
109.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Cold Impact Test on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
110.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Conductor Resistance Test / Resistance of Conductors	Table 1 of IS 694:2010 RA: 2020
111.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Determination of the halogen acid gas content	Cl. 10.6 of IS 694:2010 RA: 2020
112.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Flammability Test	Cl. 10.4 of IS 694:2010 RA: 2020
113.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Heat Shock Test on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
114.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	High Voltage test (Water immersion)	Cl. 10.1 of IS 694:2010 RA: 2020
115.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	High Voltage Test at Room Temperature	Cl. 10.2 of IS 694:2010 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
116.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Hot Deformation/ Pressure Test at High Temperature on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
117.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Insulation Resistance	Table 1 of IS 694:2010 RA: 2020
118.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Loss of Mass on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
119.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Measurement of Temperature Index	Cl. 10.7 of IS 694:2010 RA: 2020
120.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Ovality	Cl. 9.1 of IS 694:2010 RA: 2020
121.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Oxygen Index Test	Cl. 10.5 of IS 694:2010 RA: 2020
122.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Persulphate Test (for tinned copper conductor cable only)	Cl. 10.11 of IS 694:2010 RA: 2020
123.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Shrinkage Test on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
124.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Smoke Density Rating	Cl. 10.8 of IS 694:2010 RA: 2020
125.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Tensile Strength & Elongation at Break on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
126.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Tensile Test (for Aluminium)	Table 1 of IS 694:2010 RA: 2020
127.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Test for overall dimensions, Eccentricity & thickness of Insulation & Sheath	Table 3 to 10 of IS 694:2010 RA: 2020
128.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Thermal stability Test on Insulation & Sheath	Table 1 of IS 694:2010 RA: 2020
129.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Volume Resistivity	Table 1 of IS 694:2010 RA: 2020
130.	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords	Wrapping Test (for Aluminium)	Table 1 of IS 694:2010 RA: 2020
131.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Ageing in Air Oven on Insulation & Sheath	Cl. 15.1 (d) (2) of IS:1554 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
132.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Annealing test (for copper)	Cl. 15.1 (a) (1) of IS:1554 (Part 1) - 1988 RA: 2020
133.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Armoured Courvage Percentage	Cl. 13.1.2, Appendix C of IS:1554 (PART 1)-1988 RA: 2020
134.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Cold Bend Test on Insulation & Sheath	Cl. 15.4 (a) of IS:1554 (Part 1) - 1988 RA: 2020
135.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Cold Impact Test on Insulation & Sheath	Cl. 15.4 (b) of IS:1554 (Part 1) - 1988 RA: 2020
136.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Conductor Resistance Test / Resistance of Conductors	Cl. 15.1 (a) (4) of IS:1554 (Part 1) - 1988 RA: 2020
137.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Determination of the halogen acid gas content	Cl. 16.9 of IS:1554 (Part 1) - 1988 RA: 2020
138.	PVC Insulated (Heavy Duty) Electric cables for working	Dimensions of Armouring Material	Cl. 13.3 of IS:1554 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
139.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Flame Retardance test on Bunched Cables	Cl. 16.7 of IS:1554 (Part 1)- 1988 RA: 2020
140.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Flame Retardance test on single Cables	Cl. 16.6 of IS:1554 (Part 1)-1988 RA: 2020
141.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Flammability Test / Flame Propagation on Single Cable	Cl. 16.4 of IS:1554 (Part 1) - 1988 RA: 2020
142.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Heat Shock Test on Insulation & Sheath	Cl. 15.1 (d) (6) of IS:1554 (Part 1) - 1988 RA: 2020
143.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	High Voltage Test at Room Temperature	Cl. 16.2 of IS:1554 (Part 1) - 1988 RA: 2020
144.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Hot Deformation/ Pressure Test at High Temperature on Insulation & Sheath	Cl. 15.1 (d) (4) of IS:1554 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
145.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Insulation Resistance	Cl. 15.1 (e) of IS:1554 (Part 1) - 1988 RA: 2020
146.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Loss of Mass on Insulation & Sheath	Cl. 15.1 (d) (5) of IS:1554 (Part 1) - 1988 RA: 2020
147.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Mass of Zinc Coating	Cl. 13.6 (f) of IS:1554 (PART 1)-1988 RA: 2020
148.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Measurement of Temperature Index	Cl. 16.10 of IS:1554 (Part 1) - 1988 RA: 2020
149.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Oxygen Index Test	Cl. 16.5 of IS:1554 (Part 1) - 1988 RA: 2020
150.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Resistivity Test	Cl. 13.6 (g) of IS:1554 (Part 1) - 1988 RA: 2020
151.	PVC Insulated (Heavy Duty) Electric cables for working	Shrinkage Test on Insulation & Sheath	Cl. 15.1 (d) (3) of IS:1554 (Part 1) - 1988 RA: 2020

Scope of Accreditation
TVS LABS
1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
152.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Smoke Density Rating	Cl. 16.11 of IS:1554 (Part 1)-1988 RA: 2020
153.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Tensile strength & Elongation at break for armouring material	Cl. 13.6 (a) and (b) of IS:1554 (Part 1) - 1988 RA: 2020
154.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Tensile Strength & Elongation at Break on Insulation & Sheath	Cl. 15.1 (d) (1) of IS:1554 (Part 1) - 1988 RA: 2020
155.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Tensile Test (for Aluminium)	Cl. 15.1 (a) (2) of IS:1554 (Part 1) - 1988 RA: 2020
156.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Test for overall dimensions, Eccentricity & thickness of Insulation & Sheath	Cl. 15.1 (c) of IS:1554 (Part 1) - 1988 RA: 2020
157.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Thermal Stability Test on Insulation & Sheath	Cl. 15.1 (d) (7) of IS:1554 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
158.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Torsion Test for Round Wire	Cl. 13.6 (c) of IS:1554 (Part 1) - 1988 RA: 2020
159.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Uniformity of Zinc Coating	Cl. 13.6 (e) of IS:1554 (Part 1) - 1988 RA: 2020
160.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Volume Resistivity	Cl. 15.1 (e) of IS:1554 (Part 1) - 1988 RA: 2020
161.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Winding Test for Formed Wire	Cl. 13.6 (d) of IS:1554 (Part 1) - 1988 RA: 2020
162.	PVC Insulated (Heavy Duty) Electric cables for working voltages upto and including 1100V	Wrapping Test (for Aluminium)	Cl. 15.1 (a) (3) of IS:1554 (Part 1) - 1988 RA: 2020
163.	PVC insulation and sheath of electric cables	Thermal Stability Test on Insulation & Sheath	IS:10810 (Part 60)-1988 RA: 2020
164.	PVC Insulation and Sheath of Electric Cables	Volume Resistivity	Cl. 4.1, Table 1 of IS 5831:1984 RA: 2021

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
165.	Thermoplastic and Elastomeric insulation and sheath of electric cables	Tensile Strength & Elongation at Break on Insulation & Sheath	IS:10810 (Part 7)-1984 RA: 2021
166.	Thermoplastic and elastomeric insulation and sheath of electric cables	Test for overall dimensions, Eccentricity & thickness of Insulation & Sheath	IS:10810 (Part 6)-1984 RA: 2021
167.	Thermoplastic insulation and sheath of electric cables	Heat Shock Test on Insulation & Sheath	IS:10810 (Part 14)-1984 RA: 2021
168.	Thermoplastic insulation and sheath of electric cables	Hot Deformation Test on Insulation & Sheath	IS:10810 (Part 15)-1984 RA: 2021
169.	Thermoplastic insulation and sheath of electric cables	Loss of Mass on Insulation & Sheath	IS:10810 (Part 10)-1984 RA: 2021
170.	Thermoplastic or elastomeric insulation and sheath of electric cables	Cold Bend Test on Insulation & Sheath	IS:10810 (Part 20)-1984 RA: 2021
171.	Thermoplastic or elastomeric insulation and sheath of electric cables	Cold Impact Test on Insulation & Sheath	IS:10810 (Part 21)-1984 RA: 2021
172.	Tinned copper conductor	Persulphate Test (for tinned copper conductor cable only)	IS:10810 (Part 4)-1984 RA: 2021
173.	Zinc coated articles	Uniformity of Zinc Coating	IS 2633:1986 RA: 2016
174.	Zinc coated iron and steel articles	Average Mass of Zinc Coating	IS 6745-1972 RA: 2016
175.	PVC Insulated (Heavy Duty) Electric cables for working	High Voltage test (Water immersion)	Cl. 16.3 of IS:1554 (Part 1) - 1988 RA: 2020

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cables and Wires		
	voltages upto and including 1100V		
176.	Aerial Bunched Cables for working voltages upto and including 1100V	Wrapping test	Cl. 10.1 of IS 14255:1995 RA: 2020
177.	Copper	Copper Purity	IS 191: 2007/IS 440:1964

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
1.	Conduits for electrical installations	Electrical Characteristics (Electrical Strength)	Cl. 12.1.1 of IS:9537 (Part 1)-1980 RA: 2020
2.	Conduits for electrical installations	Insulation Resistance in Conduit	Cl. 12.1.2 of IS:9537 (Part 1)-1980 RA: 2020
3.	Rigid plain conduits of insulating materials	Bending	Cl. 9.2 of IS:9537 (Part 3)-1983 RA: 2017
4.	Rigid plain conduits of insulating materials	Checking of Dimensions	Cl. 7 of IS:9537 (Part 3)-1983 RA: 2017
5.	Rigid plain conduits of insulating materials	Collapse Test (Restricted for 20 mm & 25 mm)	Cl. 9.5 of IS:9537 (Part 3)-1983 RA: 2017
6.	Rigid plain conduits of insulating materials	Compression Test	Cl. 9.3 of IS:9537 (Part 3)-1983 RA: 2017
7.	Rigid plain conduits of insulating materials	Electrical Characteristics (Electrical Strength)	Cl. 12 of IS:9537 (Part 3)-1983 RA: 2017
8.	Rigid plain conduits of insulating materials	Impact Test	Cl. 9.4 of IS:9537 (Part 3)-1983 RA: 2017
9.	Rigid plain conduits of insulating materials	Insulation Resistance in Conduit	Cl. 12 of IS:9537 (Part 3)-1983 RA: 2017
10.	Rigid plain conduits of insulating materials	Resistance to Burning	Cl. 11 of IS:9537 (Part 3)-1983 RA: 2017
11.	Rigid plain conduits of insulating materials	Resistance to Heat	Cl. 10 of IS:9537 (Part 3)-1983 RA: 2017
12.	Rigid plain conduits of insulating materials	Verification of Classification, Marking, Construction	Cl. 5, Cl. 6 of IS:9537 (Part 3)-1983 RA: 2017
13.	Plug and Socket Outlet with Rated Voltage Upto and	Additional Tests on pins provided with insulating sleeves	Cl. 30 of IS 1293:2019

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Including 250 Volts and with Rated Current up to and Including 16 Amperes		
14.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Checking of Dimensions	Cl. 9 of IS 1293: 2019
15.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Classification	Cl. 7 of IS 1293: 2019
16.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Construction of plugs and portable socket outlets	Cl. 14 of IS 1293:2019
17.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Constructional requirements of fixed socket outlets	Cl. 13 of IS 1293:2019
18.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with	Creepage distances, clearances and distance through sealing compound	Cl. 27 of IS 1293:2019

Scope of Accreditation
TVS LABS
1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Rated Current up to and Including 16 Amperes		
19.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Electric Strength	Cl. 17 of IS 1293:2019
20.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Flexible cables and their connection	Cl. 23 of IS 1293:2019
21.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Force Necessary to withdraw the plug	Cl. 22 of IS 1293:2019
22.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Insulation Resistance	Cl. 17 of IS 1293:2019
23.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with	Making and breaking capacity	Cl. 20 of IS 1293:2019

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Rated Current up to and Including 16 Amperes		
24.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Marking	Cl. 8 of IS 1293:2019
25.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Mechanical Strength	Cl. 24 of IS 1293:2019
26.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Normal Operation	Cl. 21 of IS 1293:2019
27.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Operation of Earthing Contacts	Cl. 18 of IS 1293:2019
28.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with	Protection against electric shock	Cl. 10 of IS 1293:2019

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Rated Current up to and Including 16 Amperes		
29.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Provision for Earthing	Cl. 11 of IS 1293:2019
30.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Rating	Cl. 6 of IS 1293:2019
31.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Resistance of insulation material to abnormal heat, to fire and to tracking - Glow wire Temperature	Cl. 28 of IS 1293:2019
32.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Resistance to ageing	Cl. 16.1 of IS 1293:2019
33.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with	Resistance to Harmful ingress water	Cl. 16 of IS 1293:2019

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Rated Current up to and Including 16 Amperes		
34.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Resistance to Heat - Ball pressure	Cl. 25 of IS 1293:2019
35.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Resistance to Humidity	Cl. 16.3 of IS 1293:2019
36.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Resistance to rusting	Cl. 29 of IS 1293:2019
37.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Screw, current carrying parts and connections	Cl. 26 of IS 1293:2019
38.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with	Temperature Rise	Cl. 19 of IS 1293:2019

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Rated Current up to and Including 16 Amperes		
39.	Plug and Socket Outlet with Rated Voltage Upto and Including 250 Volts and with Rated Current up to and Including 16 Amperes	Terminals	Cl. 12 of IS 1293:2019
40.	Switches for Domestic and Similar Purpose	Checking of Dimensions	Cl. 9 of IS 3854:1997 RA: 2017
41.	Switches for Domestic and Similar Purpose	Constructional requirements	Cl. 13 of IS 3854:1997 RA: 2017
42.	Switches for Domestic and Similar Purpose	Insulation resistance and electric strength	Cl. 16 of IS 3854:1997 RA: 2017
43.	Switches for Domestic and Similar Purpose	Making and breaking capacity	Cl. 18 of IS 3854:1997 RA: 2017
44.	Switches for Domestic and Similar Purpose	Mechanical strength	Cl. 20 of IS 3854:1997 RA: 2017
45.	Switches for Domestic and Similar Purpose	Mechanism	Cl. 14 of IS 3854:1997 RA: 2017
46.	Switches for Domestic and Similar Purpose	Normal operation	Cl. 19 of IS 3854:1997 RA: 2017
47.	Switches for Domestic and Similar Purpose	Protection against Electric Shock	Cl. 10 of IS 3854:1997 RA: 2017
48.	Switches for Domestic and Similar Purpose	Provision for Earthing	Cl. 11 of IS 3854:1997 RA: 2017

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
49.	Switches for Domestic and Similar Purpose	Resistance to ageing, to harmful ingress of water and to humidity	Cl. 15 of IS 3854:1997 RA: 2017
50.	Switches for Domestic and Similar Purpose	Temperature rise	Cl. 17 of IS 3854:1997 RA: 2017
51.	Switches for Domestic and Similar Purpose	Terminals	Cl. 12 of IS 3854:1997 RA: 2017
52.	Switches for Domestic and Similar Purpose	Marking	Cl. 8 of IS 3854:1997 RA: 2017
53.	Switches for Domestic and Similar Purpose	Classification	Cl. 7 of IS 3854:1997 RA: 2017
54.	Switches for Domestic and Similar Purpose	Creepage distances, clearances and distance through sealing compound	Cl. 23 of IS 3854:1997 RA: 2017
55.	Switches for Domestic and Similar Purpose	Rating	Cl. 6 of IS 3854:1997 RA: 2017
56.	Switches for Domestic and Similar Purpose	Resistance to abnormal heat, to fire and to tracking - Glow wire Temperature	Cl. 24 of IS 3854:1997 RA: 2017
57.	Switches for Domestic and Similar Purpose	Resistance to Heat - Ball pressure Force - Diameter - Temperature	Cl. 21 of IS 3854:1997 RA: 2017
58.	Switches for Domestic and Similar Purpose	Resistance to rusting	Cl. 25 of IS 3854:1997 RA: 2017
59.	Switches for Domestic and Similar Purpose	Screws, current carrying parts and connections	Cl. 22 of IS 3854:1997 RA: 2017

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
60.	Fittings for Rigid Non-Metallic Conduits	Visual Examination	Cl. 8 of IS:3419-1988
61.	Fittings for Rigid Non-Metallic Conduits	Checking of Dimensions	Cl. 9 of IS:3419-1988
62.	Fittings for Rigid Non-Metallic Conduits	Test for Resistance to Heat	Cl. 10 of IS:3419-1988
63.	Fittings for Rigid Non-Metallic Conduits	Resistance to Burning	Cl. 11 of IS:3419-1988
64.	Fittings for Rigid Non-Metallic Conduits	Moisture Absorption Test	Cl. 12 of IS:3419-1988
65.	Fittings for Rigid Non-Metallic Conduits	Test for Resistance to chemical action	Cl. 13 of IS:3419-1988
66.	Fittings for Rigid Non-Metallic Conduits	Copper Test	Cl. 14 of IS:3419-1988
67.	Fittings for Rigid Non-Metallic Conduits	Test for Resistance to Oil	Cl. 15 of IS:3419-1988
68.	Fittings for Rigid Non-Metallic Conduits	Resistance to Impact	Cl. 16 of IS:3419-1988
69.	Fittings for Rigid Non-Metallic Conduits	Test for Electrical Characteristics	Cl. 17 of IS:3419-1988
70.	Cable Trunking and Ducting Systems for Electrical Installations – Intended for Mounting on Walls or Ceilings	Marking	Cl. 7 of IS 14927 (Part 2):2001
71.	Cable Trunking and Ducting Systems	Dimensions	Cl. 8 of IS 14927 (Part 2):2001

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	for Electrical Installations – Intended for Mounting on Walls or Ceilings		
72.	Cable trunking & ducting systems for Electrical Installations - General Requirements	Durability of Marking	Cl. 7.2 of IS 14927 (Part 1):2001
73.	Cable Trunking and Ducting Systems for Electrical Installations – Intended for Mounting on Walls or Ceilings	Construction	Cl. 9.1.101 of IS 14927 (Part 2):2001
74.	Cable trunking & ducting systems for Electrical Installations - General Requirements	Construction	Cl. 9.1, Cl. 9.2 of IS 14927 (Part 1): 2001
75.	Cable trunking & ducting systems for Electrical Installations - General Requirements	Impact Test	Cl. 10.3 of IS 14927 (Part 1):2001
76.	Cable Trunking and Ducting Systems for Electrical Installations – Intended for Mounting on Walls or Ceilings	Impact Test	Cl. 10.3 of IS 14927 (Part 2):2001
77.	Cable trunking & ducting systems for Electrical Installations - General	Resistance to Flame Propagation	Cl. 11 of IS 14927 (Part 1) & Part 2) :2001

Scope of Accreditation

TVS LABS

1/488-504, IInd Floor, Damodar Park,
Dilshad Garden Industrial Area, Shahdara,
Delhi – 110095, India

QAI/CIA/TL/2023/0033

Valid from: 25 November 2023
Valid until: 24 November 2025

Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Wiring Accessories		
	Requirements & Intended for Mounting on Walls or Ceilings		
78.	Cable trunking & ducting systems for Electrical Installations - General Requirements & Intended for Mounting on Walls or Ceilings	Electrical Characteristics	Cl. 12 of IS 14927 (Part 1) & Part 2) :2001