



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

CENTRAL POWER RESEARCH INSTITUTE, REGIONAL TESTING
LABORATORY, PLOT 3A, INSTITUTIONAL AREA, SECTOR-62, GAUTAM
BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5223

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Validity

17/12/2024 to 16/12/2028

Last Amended on

09/01/2025

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 Testing				
1	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Acetylene	IS 9434:2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
2	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Carbon dioxide	IS 9434: 2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
3	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Carbon monoxide	IS 9434: 2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
4	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Ethylene	IS 9434: 2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
5	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Hydrogen	IS 9434: 2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
6	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Methane	IS:9434:1992 (RA 2013), IS:10593:2018, IEC: 60567:2011, IEC: 60599: 2015
7	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Nitrogen	IS 9434: 2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
8	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Oxygen	IS 9434: 2019 IS 10593:2018 IEC 60567:2011 IEC 60599:2022
9	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (Service & New Oil)	Dissolved Gas Analysis-Ethane	IS 9434: 2019, IS 10593:2018, IEC 60567:2011, IEC 60599:2022
10	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	DBDS	IS 335:2018 IS 1866:2017 IEC 60296:2020 IEC 60422:2013 IS 16497 (Part 1):2017 IEC 62697-1: 2012
11	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	2-Furfural and related compounds 5-MF	IS 335:2018 & IEC 60296:2020 IS 1866:2017 IEC 60422:2013 IS 15668:2006 (RA 2021) IEC 61198: 1993
12	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	Total PCB Content	IS 335:2018 IEC 60296: 2020 IEC 61619:1997 IS 16082: 2013
13	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	2-Furfural and related compounds 2-FAL	IS 335:2018 & IEC 60296:2020 IS 1866:2017 IEC 60422:2013 IS 15668:2006 (RA 2021) IEC 61198: 1993



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14	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	2-Furfural and related compounds 2-FM	IS 335:2018 & IEC 60296:2020 IS 1866:2017 IEC 60422:2013 IS 15668:2006 (RA 2021) IEC 61198: 1993
15	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	2-Furfural and related compounds 2-FOL	IS 335:2018 & IEC 60296:2020 IS 1866:2017 IEC 60422:2013 IS 15668:2006 (RA 2021) IEC 61198: 1993
16	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Insulating Oil (In-Service & New Oil)	2-Furfural and related compounds 5-HMF	IS 335:2018 & IEC 60296:2020 IS 1866:2017 IEC 60422:2013 IS 15668:2006 (RA 2021) IEC 61198: 1993
17	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil	Acidity/Neutralization Value	IS 1866:2017, IEC 60422:2013, IS 335:2018, IEC 60296:2012, IEC 62021-1: 2003, IS 1448(P:2): 2007 (RA: 2018) ISO 6619: : 1988
18	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Flash Point	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, IS 1448(P 21): 2019 ISO 2719:2016 Amd 1: 2021
19	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Breakdown Voltage/Electric Strength	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, IS 6792: 2017 IEC 60156: 2018
20	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Color/Appearance	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, ISO 2049:1996 (RA 2014), IS 335: 2018, IS 1448 (Part:12) (RA 2018): 2018
21	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Dielectric dissipation factor (DDF)	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, IEC 60247: 2004, IEC 61620:1998, IS 6262: 1971 (RA 2021), IS 16086:2013 (RA 2018): 2018
22	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Interfacial Tension	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, IS 6104:1971 (RA 2021), ASTM D 971:20, EN:14210: 2003
23	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Particle content (counting and sizing)	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, ISO 4406:2021, ISO 4402:1991 IEC 60970:2007, IS 13236: 2013 (RA 2018) : 2018



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24	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Resistivity	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, IEC 60247:2004, IEC 61620:1998, IS 6103:1971 (RA : 2021
25	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil & New Oil)	Water Content	IS 335:2018, IEC 60296:2020, IS 1866:2017, IEC 60422:2013, IEC 60814:1997, IS 2362:1993 (RA:2020), IS 13567: 2018
26	CHEMICAL- LUBRICANTS	Inhibited & Un-inhibited Mineral Transformer Oil (In-Service oil)	Sediment & Sludge	Annex C of IS 1866:2017, IS 1866-2017, IEC 60422-2013, IEC 60422: 2013
27	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	DC withstand Test	IEC 60502 part 4, Table.5,6&7:: 2010
28	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Electrical Heat cycle Test /Load Cycle Test	IEC 60502-4: : 2010
29	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Electrical Heat cycle Test /Load Cycle Test	IEC 60502-4: 2010
30	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Impulse withstand Test	IEC 60502-4, cl.18: 2010
31	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 part 4: : 2010
32	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 part 4: 2010
33	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Armour Resistivity test	IS 13573 Part 2 (RA 2021)& 3 (RA 2016): 2011
34	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Conductor Resistance test	IS 13573, Part 1 (RA 2016), 2 (RA 2021)& 3 (RA 2016): 2011
35	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Dielectric Strength tes	IS 13573, Part 1(RA 2016), 2 (RA 2021)& 3 (RA 2016): 2011
36	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Partial discharge Test	IS 13573-part 2 : 2022 (RA 2021): 2021
37	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Power frequency withstand test	IS 13573, Part 1 (RA 2016), 2 (RA 2021)& 3 (RA 2016): 2011
38	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Power frequency withstand test	IS 13573, Part 1 (RA 2016, 2 (RA 2021)& 3 (RA 2016): 2011
39	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages from 3.3kV (UE) to up to and including 33 kV(E)	Impulse withstand Test	IS 13573 part 2 (RA 2021)& 3 (RA 2016): 2011

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40	ELECTRICAL- CABLES & WIRES	Accessories for Power Cables from 3.6/6 kV up to 20.8/36 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 Part IV (Table5,6 &7): : 2010
41	ELECTRICAL- CABLES & WIRES	Accessories for Power Cables from 3.6/6 kV up to 20.8/36 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 Part IV-(Table5,6 &7): : 2010
42	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Electrical Heat cycle test	BS EN-50393, Cl.8: 2015
43	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Impulse withstand test	BS EN - 50393- (Cl.8): : 2015
44	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Insulation Resistance test	BS EN -50393, Cl.8: 2015
45	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	IR Constant test	BS EN-50393, Cl.8: 2015
46	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Mechanical Test: Impact Test	BS EN 50393-(Cl.8): : 2015
47	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Power Frequency Withstand Test/ Dielectric strength	BSEN 50393, cl.8: : 2015
48	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Power Frequency Withstand Test/ Dielectric strength	BSEN 50393, cl.8: 2015
49	ELECTRICAL- CABLES & WIRES	Accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV	Volume Resistivity test	BS EN-50393, Cl.8: 2015
50	ELECTRICAL- CABLES & WIRES	Accessories for use on power cables of rated voltage from 3.6/6(7.2) kV up to 20.8/36(42) kV	Partial discharge Test	DIN VDE 0278-629-1: : 2006
51	ELECTRICAL- CABLES & WIRES	acidity by measuring pH and Conductivity	Halogen Acid Test	IEC 60754-2 + AMD1:2019: 2011
52	ELECTRICAL- CABLES & WIRES	ACSR Conductor	Galvanising test(Uniformity of Zinc coating & mass of zinc coating)	IS 398-1 1996 (RA 2018), IS 398-2 1996 (RA 2018), IS 398-5 1992 (RA : 2018
53	ELECTRICAL- CABLES & WIRES	ACSR Conductor	Lay Ratio Test	IS 398-1 1996 (RA 2018), IS 398-2 1996 (RA 2018), IS 398-5: 1992
54	ELECTRICAL- CABLES & WIRES	ACSR/AAA Conductor	Conductor Resistance measurement	IS 398-1 1996 (RA 2018), IS 398-2 1996 (RA 2018), IS 398-5 1992 (RA: : 2018
55	ELECTRICAL- CABLES & WIRES	ACSR/AAA Conductor	Dimension of conductor	IS 398-1 1996 (RA 2018), IS 398-2 1996 (RA 2018), IS 398-5 1992 (RA 2018): 2018
56	ELECTRICAL- CABLES & WIRES	ACSR/AAA conductor	Mechanical Test/Elongation test	IS 398-1 1996 (RA 2018), IS 398-2 1996 (RA 2018), IS 398-5 1992 (RA: : 2018
57	ELECTRICAL- CABLES & WIRES	ACSR/AAA conductor	Mechanical Test/Tensile test/Breaking strength	IS 398-1 1996 (RA 2018), IS 398-2 1996 (RA 2018), IS 398-5 1992 (RA : : 2018

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58	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Carbon Black content test	IS 14255 : 1995, Cl.10 RA: 2020
59	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Hot Set Test	IS 14255 : 1995, Cl.10 RA: 2020
60	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Shrinkage test	IS 14255 : 1995, Cl.10 RA: 2020
61	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Tensile strength test before and after Ageing in air oven	IS 14255 : 1995 cl.10 RA: 2020
62	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Breaking Strength test	IS 14255 : 1995, Cl.10, RA: 2020
63	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - for working voltages up to and including 1100 Volts	Conductor Resistance test	IS 14255 : 1995, cl. 10, RA: 2020
64	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Volume Resistivity test	IS 14255 : 1995, Cl.10 RA: 2020
65	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100V	Thickness and dimension test	IS 14255 : 1995, cl.10, RA: 2020
66	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Electrical Heat cycle test	IEEE Std. 48, Cl.8: : 2020
67	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Electrical Heat cycle test	IEEE Std. 48, Cl.8: 2020
68	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Impulse withstand Test	IEEE Std-48 cl.8: : 2020
69	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Load cycle test	IEEE Std. 48, Cl.8: 2020
70	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Load cycle test	IEEE Std.48, Cl.8: 2020
71	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Partial discharge Test	IEEE Std-48 (cl. 8): : 2020
72	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Power Frequency Withstand Test/ Dielectric strength	IEEE Std-48, cl.8: : 2020
73	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Power Frequency Withstand Test/ Dielectric strength	IEEE Std-48, cl.8: 2020
74	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Water Penetration test	IEEE Std. 48, Cl.8: : 2020

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75	ELECTRICAL- CABLES & WIRES	Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV	Water Penetration test	IEEE Std. 48, Cl.8: 2020
76	ELECTRICAL- CABLES & WIRES	Armoured cables with for rated voltages from 3.3 kV to 19/33 kV	Carbon Black Content test	IS : 7098 : Part : 2: 2011
77	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Halogen acid test	BS 7835 cl.16: : 2007
78	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Smoke density test	BS 7835 (cl. 16): : 2007
79	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Bending Test	BS 6622, Cl.15: : 2007
80	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Breaking strength (elongation at break) test after Annealing test	BS 6622, Cl.15: 2007
81	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Breaking Strength test	BS 6622, Cl.15:: 2007
82	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Capacitance Measurement	BS 6622 cl. 15 : 2007
83	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Cold Bend test	BS 6622, Cl.15: 2007
84	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Cold Elongation test	BS 6622, Cl.15: : 2007
85	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Conditioning Test	BS 6622, Cl.15: 2007
86	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Conductor Resistance test	BS 6622, Cl.15: 2007
87	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Dielectric Strength test	BS 6622, Cl.15: 2007
88	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Dimension of Armour Material	BS 6622 cl.15: 2007
89	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Electrical Heat Cycle test	BS 6622, Cl.15: 2007
90	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Elongation at break	BS 6622, Cl.15: 2007
91	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Flame Retardance test (Flammability test)	BS 6622, Cl.15: 2007
92	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	BS 6622, Cl.15: 2007



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93	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Heat Shock test	BS 6622, Cl.15: : 2007
94	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Hot Deformation test	BS 6622, Cl.15: 2007
95	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Hot Set test	BS 6622, Cl.15: : 2007
96	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Impulse withstand Test	BS 6622, cl.15: 2007
97	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Insulation Resistance test	BS 6622, Cl.15: : 2007
98	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	IR Constant test	BS 6622, Cl.15: : 2007
99	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Load Cycle test	BS 6622, Cl.15: 2007
100	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Loss of mass test	BS 6622, Cl.15: 2007
101	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Mechanical test Cold Impact test	BS 6622, Cl.15: : 2007
102	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Mechanical test Tensile strength test	BS 6622, Cl.15: 2007
103	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Partial discharge Test	BS 6622 cl. 15: 2007
104	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Power frequency withstand test	BS 6622, Cl.15: : 2007
105	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Power Frequency Withstand Test/ Dielectric strength	BS 6622 cl. 15 : 2007
106	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Pressure test at high temperature	BS 6622, Cl.15: : 2007
107	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Resistivity of Armour test	BS 6622, Cl.15: 2007
108	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Shrinkage test	BS 6622, Cl.15: 2007
109	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Tan Delta Measurement at ambient & elevated temperature	BS 6622, cl. 15: : 2007
110	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Tear Resistance test	BS 6622, Cl.15: 2007
111	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Tensile strength test before and after Ageing in air oven	BS 6622, Cl.15: 2007
112	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	test for Resistance to cracking	BS 6622, Cl.15: 2007

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113	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Thermal Stability Test for PVC material	BS 6622, Cl.15: 2007
114	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Thickness and dimension test	BS 6622 Cl.15: 2007
115	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Torsion test	BS 6622, Cl.15: 2007
116	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Volume Resistivity test	BS 6622, Cl.15: 2007
117	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Water Absorption (Gravimetric)	BS 6622, Cl.15: 2007
118	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Water Penetration test	BS 6622, Cl.15: 2007
119	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Winding test	BS 6622, Cl.15: 2007
120	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Mechanical Test Tensile strength test	BS 7835 (cl. 16): : 2007
121	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Partial discharge Test	BS 7835 (cl. 16): : 2007
122	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Tan delta at ambient and elevated temperature	BS-7835-(Cl.16):: 2007
123	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Tear Resistance test	BS 7835, cl.16: 2007
124	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Thermal Stability Test for PVC material	BS 7835 (cl. 16): : 2007
125	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Thickness and dimension test	BS 7835 cl.16: : 2007
126	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Dielectric Strength Test	IEEE Std. 404, Cl.7: 2012
127	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Electrical Heat cycle test	IEEE Std-404, cl.7: 2012
128	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Electrical Heat cycle test	IEEE Std-404, cl.7:: : 2012
129	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Impulse withstand test	IEEE Std 404, Cl.7: 2012
130	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Load Cycle test	IEEE Std 404, Cl.7: 2012

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131	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Load Cycle test	IEEE Std-404, Cl.7: 2012
132	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Partial discharge Test	IEEE Std-404 (cl.7): : 2012
133	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Power frequency withstand test	IEEE Std 404, Cl.7: 2012
134	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -100 kV	Power frequency withstand test	IEEE Std. 404, Cl.7: 2012
135	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Dielectric Strength test	IEEE Std. 404, Cl.7: : 2012
136	ELECTRICAL- CABLES & WIRES	Cables and plastics	Oxygen Index Test	IS 10810 (Part 58):1998, RA: 2019
137	ELECTRICAL- CABLES & WIRES	Cables and plastics	Oxygen Index Test, Temperature Index Test	IS 10810 (Part-58 & 64), ASTM D2863-19: 2019
138	ELECTRICAL- CABLES & WIRES	Cables and plastics	Smoke Density Test	ASTM D2843, IS 7098 (Part 1) : 1988, IS 7098 (Part 2) : 2011: 2022
139	ELECTRICAL- CABLES & WIRES	Conductors for insulated cables & Flexible cords	Conductor Resistance test	BS EN 60228-2005, IEC 60228: 3: 2004
140	ELECTRICAL- CABLES & WIRES	Conductors for insulated cables & Flexible cords	Conductor resistance test	IS 8130 : 2013, (RA 2018): 2018
141	ELECTRICAL- CABLES & WIRES	Conductors for insulated cables & Flexible cords	Resistivity of Armour	BSEN 60228-2005, IEC 60228: : 2004
142	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Breaking Strength test (Elongation at break test)	Cl. 6, EN 50397-1: 2020
143	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Carbon Black content test	EN 50397-1, Cl.6: 2020
144	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Conductor Resistance test	EN 50397-1: 2020
145	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Dielectric test	EN 50397-1: 2020
146	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Electrical Heat cycle test	EN 50397-1: 2020
147	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Heat Shock test	EN 50397-1: 2020
148	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Hot Deformation test	EN 50397-1: 2020
149	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Hot Set Test	EN 50397-1: 2020
150	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 kV ac and not exceeding 36 kV ac	Mechanical test Tensile strength test	EN 50397-1: 2020

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151	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 KV ac and not exceeding 36 kV ac	Power frequency withstand test	EN 50397-1: 2020
152	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 KV ac and not exceeding 36 kV ac	Power frequency withstand test	EN 50397-1: 2020
153	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 KV ac and not exceeding 36 kV ac	Shrinkage test	EN 50397-1, Table 2: 2020
154	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 KV ac and not exceeding 36 kV ac	Tensile strength test before and after Ageing in air oven	EN 50397-1: 2020, Cl.6: 2020
155	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines of rated voltages above 1 KV ac and not exceeding 36 kV ac	Water penetration test	EN 50397-1, Table 2: 2020
156	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 11 kV	Flame Retardancy test (Flammability test)	IS 9968, Part-2, Cl.18: 2002
157	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Capacitance Measurement	IS 9968 Pt. 2, cl. 18: 2002
158	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Carbon Black Content test	IS 9968, Part-2, Cl.18: : 2002
159	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Conductor Resistance Test/ Armour resistivity Test	IS 9968 part 2, cl. 22: : 2002
160	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Dielectric Strength test	IS 9968, Part-2, Cl.2:: 2002
161	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Dielectric Strength test	IS 9968, Part-2, Cl.21: 2002
162	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Dimension of Armour Material	IS 9968 pt 2: 2002
163	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Electrical Heat cycle test	IS 9968, Part-2, Cl.18: : 2002
164	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Galvanising test	IS 9968, Part-2, Cl.18: : 2002
165	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Hot Set test	IS 9968, Part-2, Cl.18: 2002
166	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Insulation Resistance test	IS 9968, Part-2, Cl.18: : 2002
167	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	IR Constant test	IS 9968, Part-2, Cl.18: 2002
168	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Load Cycle test	IS 9968 Part-2, Cl.18: 2002
169	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Partial discharge Test	IS 9968 (part 2) cl 18: : 2002
170	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Power Frequency withstand test	IS 9968, Part-2, Cl.18: 2002



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171	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Power Frequency withstand test	IS 9968, Part-2, Cl.18: 2002
172	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Pressure test at high temperature	IS 9968, Part-2, Cl.18: 2002
173	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Tan Delta Measurement at ambient & elevated temperature	IS 9968 part2, cl.18: 2002
174	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Tensile strength test after Mineral Oil Immersion test	IS 9968, part-2, Cl.18: 2002
175	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Tensile strength test before and after Ageing in air oven	IS 9968, Part-2, Cl.18: 2002
176	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Test for Resistance to cracking	IS 9968, Part-2, Cl.18: 2002
177	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Thickness and dimension test	IS 9968 pt. 2 cl.18: 2002
178	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Uniformity of Zinc Coating (Mass of Zinc Coating)	IS 9968, Part-2, Cl.18: 2017
179	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Volume Resistivity test	IS 9968, Part-2, Cl.18:: 2002
180	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Water Absorption Test (Electrical)	IS 9968 pt. 2, cl. 21: 2002
181	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Ageing in Air Bomb	IS 9968, Part-1 :1988 (RA 2020): 2020
182	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Armour Resistivity test	IS 9968, Part-1, Cl.21 : 1988 (RA 2020): 2020
183	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Capacitance Measurement	IS 9968 Pt. 1- Cl.21, 1988 (RA2020): 2020
184	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Conductor Resistance test	IS 9968, Part-1, Cl.21: (RA 2020): 2020
185	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Hot Set test	IS 9968, Part-1 :1988 (RA 2020): 2020
186	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Insulation resistance test	IS 9968, Part-1, Cl.21 :1988 (RA 2020): 2020
187	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Shrinkage test	IS 9968, Part-1 :1988 (RA 2020): 2020
188	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Tan delta at ambient and elevated temperature	IS 9968 Pt. 1, Cl.21, : 1988 (RA 2020): 2020
189	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Tensile strength test after Mineral Oil Immersion test	IS 9968, Part-1 :1988 (RA 2020): 2020
190	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Tensile strength test before and after Ageing in air oven	IS 9968, Part-1, Cl.21 1988 (RA 2020): 2020

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191	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Bending test	IS 9968 pt.2 cl.18 :2002 (RA 2017): 2017
192	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Dielectric strength test	IS 9968 pt 1 , Cl.21: 1988 (RA 2002): 2002
193	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Dielectric strength test	IS 9968 pt 1, Cl.21 : 1998
194	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Dimension of Armour Material	IS 9986 pt 1, cl. 21: : 1998
195	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 9986 pt 1, cl. 21: 1998
196	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	IR Constant test	IS 9968 pt 1, Cl.21 :1988 (RA 2020): 2020
197	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 Volts	Power frequency withstand test	IS 9968, Part-1, Cl.21 :1988 (RA 2020): 2020
198	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 Volts	Power frequency withstand test	IS 9968, Part-1, Cl.21 :1988 (RA 2020): 2020
199	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Thickness and dimension test	IS 9968 pt 1cl.21: 1988 (RA 2020): 2020
200	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Volume Resistivity test	IS 9968 pt 1, Cl.21 :1988 (RA 2020): 2020
201	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Water Absorption Test (Electrical)	IS 9968 pt 2, cl.21 :2002 (RA 2017): 2017
202	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Water immersion (Absence of Fault in the insulation)	IS 9968, Part-1, Cl.21 :1988 (RA 2020): 2020
203	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Water Immersion test (Absence of faults in the insulation)	IS 9968, Part-1, Cl.21: 1988 (RA2020): 2020
204	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Winding test	IS 9968 pt 1, Cl.21 :1988 (RA 2020): 2020
205	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Winding test	IS 9968 pt.2 cl.18 :2002 (RA 2017): 2017
206	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Ageing in Air Bomb	IS 14494, cl.25:: 2019
207	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Armour Resistivity test	IS 14494, cl.25: : 2019
208	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Bending test	IS 14494, cl.25: : 2019
209	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Capacitance Measurement	IS 14494, cl. 25: 2019
210	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Carbon Black content test	IS 14494, cl.25: 2019

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211	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Conductor Resistance test	IS 14494, cl.25: : 2019
212	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Dielectric Strength test	IS 14494, cl.25: : 2019
213	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Dielectric Strength test	IS 14494, cl.25: 2019
214	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Dimension of Armour Material	IS 14494 cl. 25: 2019
215	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Electrical Heating Cycle test	IS 14494, cl.25: : 2019
216	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Flame Retardancy test (Sweedish Chimney test)	IS 14494, cl.25: 2019
217	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Flame Retardant test (Flammability test)	IS 14494, cl.25: 2019
218	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 14494 cl.25: 2019
219	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Heat Shock test	IS 14494, cl.25: : 2019
220	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Hot Deformation test	IS 14494, cl.25: 2019
221	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Hot Set test	IS 14494, cl.25: 2019
222	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Insulation Resistance test	IS 14494, cl.25: 2019
223	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Loss of mass test	IS 14494, cl.25: : 2019
224	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Partial discharge Test	IS 14494, cl. 25: 2019
225	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Power frequency withstand test	IS 14494, cl.25: 2019
226	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Power frequency withstand test	IS 14494, cl.25: 2019
227	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Pressure test at high temperature	IS 14494, cl.25: : 2019
228	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Resistivity of Armour test	IS 14494, cl.25:: 2019
229	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Shrinkage test	IS 14494, cl.25: : 2019



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230	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Tan Delta Measurement at ambient & elevated temperature	IS 14494, cl. 25: 2019
231	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Tensile strength test after Mineral Oil Immersion test	IS 14494, cl.25: 2019
232	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Tensile strength test before and after Ageing in air oven	IS 14494, cl.25: : 2019
233	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Test for Resistance to cracking	IS 14494, cl.25: 2019
234	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Thickness and dimension test	IS 14494 cl.25: : 2019
235	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Torsion test	IS 14494, cl.25: 2019
236	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Volume Resistivity test	IS 14494, cl.25: : 2019
237	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Water Absorption Test (Electrical)	IS 14494, cl.25: : 2019
238	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Water penetration test	IS 14494, cl.25: 2019
239	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Winding test	IS 14494, cl.25: 2019
240	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Wrapping test	IS 14494, cl.25: 2019
241	ELECTRICAL- CABLES & WIRES	Elastomer insulated Flexible cables for use in mines Elastomer Insulated Flexible Cables for working voltages upto including 1100 Volts	Mechanical test Tensile strength test	IS 14494, cl.25: 2019
242	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for working voltages from 3.3 kV upto including 1100 Volts	Mechanical test Tensile Strength test	IS 9968 : Part 1 : 1988 (RA:2020), Cl.18: 2020
243	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for working voltages from 3.3 kV upto including 1100 Volts	Mechanical test Tensile strength test	IS 9968, Part-2, Cl.18 :2002 (RA 2017): 2017
244	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for working voltages from 3.3 kV upto including 1100 Volts	Tear Resistance test	IS 9968, Part-2, Cl.18 : 2002 (RA 2017): 2017
245	ELECTRICAL- CABLES & WIRES	Elastomer insulated Flexible cables for use in mines Elastomer Insulated Flexible Cables for working voltages upto including 1100 Volts	Tear Resistance test	IS 14494, cl.25: 2019
246	ELECTRICAL- CABLES & WIRES	Elastomer Insulation & Sheath of electric Cables	Water Absorption Test (Electrical)	IS 6380 : 1984, RA: 2021
247	ELECTRICAL- CABLES & WIRES	Electric & Optical fibre Cables	Flame Retardant test (Flammability test)	IEC 60332-1-1-2004, Am1 IEC 60332-1-2-2004, Am1 IEC 60332-1-3, Am1: : 2004
248	ELECTRICAL- CABLES & WIRES	Electric & Optical fibre Cables	Flame Retardant test (Flammability test)	IEC 60332-2-1-2004 IEC 60332-2-2: 2004

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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249	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables	Cold bend test	IEC 60811-504: 2012
250	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables	Cold Elongation test	IEC 60811-505: 2012
251	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables	Mechanical test-Cold Impact test	IEC 60811-506: 2012
252	ELECTRICAL- CABLES & WIRES	Electric Cables	Flame retardant Test for Bunched Cables	IEC 60332-3-10-00, IEC 60332-3-21-00, IEC 60332-3-22-00, IEC 60332-3-23-00, IEC 60332-3-24-00, IEC 60332-3-25-00, IEEE 383: : 2018
253	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Ageing in air bomb	BS 6004 : 2012 cl.8: 2012
254	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Armour Resistivity test	BS 6004 : 2012 cl.7: 2012
255	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Breaking strength (elongation at break) test after Annealing test	BS 6004 : 2012 cl.8: 2012
256	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Breaking Strength test (Elongation at break)	BS 6004 : 2012 cl.8: 2012
257	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Carbon Black Content test	BS 6004 : 2012 cl.8: 2012
258	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Cold Bend test	BS 6004 : 2012 cl.8: 2012
259	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Cold Elongation test	BS 6004 : 2012 cl.8: 2012
260	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Conductor Resistance test	BS 6004 : 2012 cl.8: 2012
261	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	DC withstand Test	BS 6004 : 2012 cl.17: 2012
262	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Dielectric strength test	BS 6004 : 2012 cl.7: 2012



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263	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Dielectric Strength test	BS 6004 : 2012 cl.7: 2012
264	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Flame Retardance test (Flammability test)	BS 6004 : 2012 cl.8: 2012
265	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Heat Shock test	BS 6004 : 2012 cl.8: 2012
266	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Hot Deformation test	BS 6004 : 2012 cl.8: 2012
267	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Hot Set test	BS 6004 : 2012 cl.8: 2012
268	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Insulation Resistance test	BS 6004 : 2012 cl.8: 2020
269	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	IR Constant test	BS 6004 : 2012 cl.16: 2020
270	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Loss of mass test	BS 6004 : 2012 cl.8: 2012
271	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Mechanical test Cold Impact test	BS 6004 : 2012 cl.8 : 2012
272	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Mechanical test Tensile strength test	BS 6004 : 2012 cl.8: 2012
273	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Power Frequency withstand test	BS 6004 : 2012 cl.8: 2012
274	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Power frequency withstand test	BS 6004 : 2012 cl.8: 2012
275	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Pressure test at high temperature	BS 6004 : 2012 cl.8 : 2012
276	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Shrinkage test	BS 6004 : 2012 cl.8: 2012



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277	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Tear Resistance test	BS 6004 : 2012 cl.8: 2012
278	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Tensile strength test before and after Ageing in air oven	BS 6004 : 2012 cl.8: 2012
279	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Test for Resistance to cracking	BS 6004 : 2012 cl.8: 2012
280	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Thermal Stability Test for PVC material	BS 6004 : 2012 cl.8: 2012
281	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Thickness and dimension test	BS 6004 : 2012 cl.7: 2012
282	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Volume Resistivity test	BS 6004 : 2012 cl.16: 2012
283	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Water immersion test (Absence of faults in the insulation)	BS 6004 : 2012 cl.8: 2012
284	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Water immersion test (Absence of faults in the insulation)	BS 6004 : 2012 cl.8: 2012
285	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Halogen Acid test	BS 7211 :2012, Cl.12: 2012
286	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Flame Retardance test (Flammability test)	BS 7211 :2012, Cl.12 : 2012
287	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Flame Retardance test on Bunch of Cables	BS 7211 :2012, Cl.12 : 2012
288	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Smoke Density Test	BS 7211 :2012, Cl.12: 2012
289	ELECTRICAL- CABLES & WIRES	Electric Cables – Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Insulation Resistance test	BS 5467 cl.14: 2016



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290	ELECTRICAL- CABLES & WIRES	Electric Cables - Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	IR Constant test	BS 5467 cl.14: 2016
291	ELECTRICAL- CABLES & WIRES	Electric Cables - Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Volume Resistivity test	BS 5467 cl.14: 2016
292	ELECTRICAL- CABLES & WIRES	Electric cables - thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 v, having low emission of smoke and corrosive gases	Halogen Acid Test	BS 7846 cl.14: 2015
293	ELECTRICAL- CABLES & WIRES	Electric cables - thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 v, having low emission of smoke and corrosive gases	Smoke Emission Test	BS 7846 cl.14: 2015
294	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Flame Retardant test (Flammability test)	BS 7835 (cl. 16): 2007
295	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Bending test	BS 6724, cl. 14: 2016
296	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Breaking Strength (Elongation at break)	BS 6724, cl. 14: 2016
297	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Breaking strength (elongation at break) test after Annealing test	BS 6724, cl. 14: 2016
298	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Carbon Black content test	BS 6724, cl. 14: 2016
299	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Cold Bend test	BS 6724, cl. 14: 2016
300	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Cold Elongation test	BS 6724, cl. 14: 2016
301	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Dimension of Armour Material	BS 6724 cl. 14: 2016



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302	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Retardant test (Flammability Test)	BS 6724, cl. 14: 2016
303	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Retardant test on Bunched Cables	BS 6724, cl. 14: 2016
304	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Heat Shock test	BS 6724, cl. 14: 2016
305	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Hot Deformation test	BS 6724, cl. 14: 2016
306	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Hot set test	BS 6724, cl. 14: 2016
307	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Insulation Resistance test	BS 6724, cl. 14: 2016
308	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	IR Contant test	BS 6724, cl. 14: 2016
309	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Loss of mass test	BS 6724, cl. 14: 2016
310	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Mechanical test Cold Impact test	BS 6724, cl. 14: 2016
311	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Mechanical test tensile test	BS 6724, cl. 14: 2016
312	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Pressure test at high temperature	BS 6724, cl. 14: : 2016



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313	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Shrinkage test	BS 6724, cl. 14: 2016
314	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Smoke Density Test	BS 6724 cl.14: 2016
315	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Tensile strength test before and after Ageing in air oven	BS 6724, cl. 14: 2016
316	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Thickness and dimension test	BS 6724 cl.14: 2016
317	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Volume Resistivity test	BS 6724, cl. 14: 2016
318	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Winding test	BS 6724, cl. 14: 2016
319	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Wrapping test	BS 6724, cl. 14: : 2016
320	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Flame Retardance test on Bunch of cables	BS 7835 (cl. 16: 2007
321	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	BS 6724 cl.14: 2016
322	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Halogen Acid Test	BS 6724 cl.14: 2016
323	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Ageing in Air Bomb	BS 6231, Cl.11: : 2006
324	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Breaking strength (elongation at break) test after Annealing test	BS 6231, Cl.11: 2006



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325	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Breaking Strength test (Elongation at Break)	BS 6231, Cl.11: 2006
326	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Carbon Black content test	BS 6231, Cl.11: 2006
327	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Cold Bend test	BS 6231, Cl.11: 2006
328	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Cold Elongation test	BS 6231, Cl.11: 2006
329	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Dielectric Strength test	BS 6231, Cl.11: : 2006
330	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Dielectric Strength test	BS 6231, Cl.11: 2006
331	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Fire Retardant/ Flammability Test	BS 6231 cl. 11: : 2006
332	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Heat Shock test	BS 6231, Cl.11: 2006
333	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Hot Deformation test	BS 6231, Cl.11: 2006
334	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Loss of mass test	BS 6231, Cl.11: 2006
335	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Mechanical test Cold Impact test	BS 6231, Cl.11: : 2006
336	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Mechanical test Tensile test	BS 6231, Cl.11: 2006
337	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Power frequency test	BS 6231, Cl.11: 2006
338	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Power Frequency withstand test	BS 6231, Cl.11: 2006



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339	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Pressure test at high temperature	BS 6231, Cl.11: 2006
340	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Shrinkage test	BS 6231, Cl.11: 2006
341	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Tensile strength test before and after Ageing in air oven	BS 6231, Cl.11: 2006
342	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Test for resistance to cracking	BS 6231, Cl.11: : 2006
343	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Thermal Stability Test for PVC material	BS 6231 cl.11: 2006
344	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Water Immersion test (Absence of faults in the insulation)	BS 6231, Cl.11: 2006
345	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Water Immersion test (Absence of faults in the insulation)	BS 6231, Cl.11: 2006
346	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Cold Bend test	BS 7846, Cl.14: 2015
347	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Cold Elongation test	BS 7846, Cl.14: 2015
348	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Mechanical test Cold Impact test	BS 7846, Cl.14: : 2015
349	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Water Absorption (Gravimetric)	BS 6724, cl.14: 2016
350	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Armour resistivity test	BS 7846, Cl.14: : 2015
351	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Conductor resistance test	BS 7846, Cl.14: : 2015



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352	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Retardance test on Bunched Cables	BS 7846, Cl.14: 2015
353	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Retardancy test (Flammability test)	BS 7846, Cl.14: 2015
354	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Halogen Acid Test	BS 7846 cl.14: : 2015
355	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Breaking strength (elongation at break) test after Annealing test	BS 7846, Cl.14:: 2015
356	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Breaking strength test (Elongation at break)	Bs 7846, Cl.14: : 2015
357	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Cold Bend Test	BS 7846, Cl.19: 2015
358	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Cold Elongation test	BS 7846, Cl.19: : 2015
359	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Dielectric withstand test	BS 7846, Cl.14: : 2015
360	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Dielectric Withstand test	BS 7846, Cl.14: : 2015
361	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Dimension of Armour Material	BS 7846, cl.14: 2015
362	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	BS 7846 cl.14: 2015



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363	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Insulation Resistance test	BS 7846, Cl.14: : 2015
364	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	IR Constant test	BS 7846, Cl.14: 2015
365	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Mechanical test Cold impact test	BS 7846, Cl.14: 2015
366	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Mechanical test Tensile test	BS 7846, Cl.14: : 2015
367	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Power frequency withstand test	BS 7846, Cl.14: : 2015
368	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Power frequency withstand test	BS 7846, Cl.14: 2015
369	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Thickness and dimension test	BS 7846 cl.14: 2015
370	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Torsion test	BS 7846, Cl.14: 2015
371	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Volume Resistivity test	BS 7846, Cl.14: : 2015
372	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Water Absorption (Gravimetric)	BS 7846 cl. 14: : 2015
373	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Winding test	BS 7846, Cl.14: 2015



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374	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Wrapping test	BS 7846, Cl.14: 2015
375	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	BS 7211 :2012, Cl.12 : 2012
376	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Breaking Strength (Elongation at break)	BS 7211 :2012, Cl.12 : 2012
377	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Breaking strength (elongation at break) test after Annealing test	BS 7211 :2012, Cl.12 : 2012
378	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Cold Bend test	BS 7211 :2012, Cl.12: 2012
379	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Cold Elongation test	BS 7211 :2012, Cl.12 : 2012
380	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Conductor Resistance test	BS 6724, cl. 14: 2016
381	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Conductor Resistance test	BS 7211 :2012, Cl.12 : 2012
382	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Dielectric withstand test	BS 7211 :2012, Cl.12 : 2012
383	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Dielectric withstand test	BS 7211 :2012, Cl.12 : 2012
384	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Frequency withstand test	BS 7211 :2012, Cl.12 : 2012
385	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Hot set test	BS 7211 :2012, Cl.12: 2012
386	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Insulation Resistance test	BS 7211 :2012, Cl.12 : 2012
387	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	IR Constant test	BS 7211 :2012, Cl.12 : 2012



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388	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Loss of mass test	BS 7211 :2012, Cl.12 : 2012
389	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Mechanical test Cold Impact test	BS 7211 :2012, Cl.12: 2012
390	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Mechanical test Tensile test	BS 7211 :2012, Cl.12: 2012
391	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Pressure test at high temperature	BS 7211 :2012, Cl.12 : 2012
392	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Shrinkage test	BS 7211 :2012, Cl.12 : 2012
393	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Tensile strength test before and after Ageing in air oven	BS 7211 :2012, Cl.12 : 2012
394	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Test for Resistance to cracking	BS 7211 :2012, Cl.12: 2012
395	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Thickness and dimension test	BS 7211 :2012, Cl.12 : 2012
396	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Volume resistivity test	BS 7211 :2012, Cl.12 : 2012
397	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Water Absorption (Gravimetric)	BS 7211 :2012, Cl.12: 2012
398	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Bending test	BS 7835 (cl. 16: 2007
399	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Capacitance Measurement	BS 7835, Cl.16: 2007
400	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Carbon Black Content test	BS 7835 (cl. 16: 2007
401	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Cold Bend test	BS 7835 (cl. 16): : 2007



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402	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Cold Elongation test	BS 7835 (cl. 16): : 2007
403	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Conditioning test	BS 7835 (cl. 16): : 2007
404	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Dielectric Strength test	BS 7835 (cl. 16): 2007
405	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Dielectric Withstand test	BS 7835 (cl. 16): : 2007
406	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Dimension of Armour Material	BS 7835, cl.16: 2007
407	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Electrical Heat Cycle test	BS 7835 (cl. 16): : 2007
408	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Flame Retardance test (Flammability test)	BS 7835 (cl. 16): : 2007
409	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Flame Retardant test on Bunched Cables	BS 7835 (cl. 16): : 2007
410	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Heat Shock test	BS 7835 (cl. 16): 2007
411	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Hot Deformation test	BS 7835 (cl. 16): : 2007
412	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Hot set test	BS 7835 (cl. 16): : 2007
413	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Impulse withstand Test	BS 7835, cl.16: 2007
414	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Insulation Resistance test	BS 7835 (cl. 16): : 2007
415	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	IR Constant test	BS 7835 (cl. 16): : 2007



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416	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Loss of mass test	BS 7835 (cl. 16): 2007
417	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Mechanical test Cold impact test	BS 7835 (cl. 16): : 2007
418	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Power frequency withstand test	BS 7835 (cl. 16): : 2007
419	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Power frequency withstand test	BS 7835 (cl. 16): 2007
420	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Pressure test at high temperature	BS 7835 (cl. 16): 2007
421	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Shrinkage test	BS 7835 (cl. 16): : 2007
422	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Tan Delta Measurement at ambient & elevated temperature	BS-7835, cl.16: 2007
423	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Tensile strength test before and after Ageing in air oven	BS 7835 (cl. 16): : 2007
424	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Test for Resistance to cracking	BS 7835 (cl. 16): : 2007
425	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Torsion test	BS 7835 (cl. 16): : 2007
426	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Volume Resistivity test	BS 7835 (cl. 16): : 2007
427	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Water Absorption (Gravimetric)	BS 7835, cl.16: 2007
428	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Water Penetration test	BS 7835 (cl. 16): : 2007
429	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Winding test	BS 7835 (cl. 16): : 2007



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430	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Wrapping test	BS 7835 (cl. 16): : 2007
431	ELECTRICAL- CABLES & WIRES	Electrical Insulating mat for electrical Purpose	Tensile strength test before and after Ageing in air oven	IS 15652:2006, amtNo.1 & Amt.2 RA: 2016
432	ELECTRICAL- CABLES & WIRES	Electrical insulating mat for Electrical purposes	Fire resistance /Flammability test	IS 15652:2006, Amt 1, Amt.2, RA: 2016
433	ELECTRICAL- CABLES & WIRES	Electrical Insulating mat for Electrical Purposes	Insulation Resistance test	IS 15652:2006, Amt. No.1 ,Amt.2, RA: 2016
434	ELECTRICAL- CABLES & WIRES	Electrical Insulating mat for Electrical purposes	Mechanical test/Elongation test	IS 15652:2006, Amt.1 & Amt.2, RA: 2016
435	ELECTRICAL- CABLES & WIRES	Electrical Insulating mat for Electrical Purposes	Mechanical Test/Tensile test/Breaking strength	IS 15652:2006, Amt.1, Amt.2, RA: 2016
436	ELECTRICAL- CABLES & WIRES	Electrical Insulating mat for electrical Purposes	Thickness and Dimension test	IS 15652:2006, Amt. no.1 ,Amt.No.2, RA: 2016
437	ELECTRICAL- CABLES & WIRES	Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Load Cycle test	IS 13573 Part-1 (RA 2016), 2 (RA 2021)& 3 (RA 2016): : 2011
438	ELECTRICAL- CABLES & WIRES	Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Load Cycle test	IS 13573, part-1 (RA 2016), 2 (RA 2021)& 3 (RA 2016): 2011
439	ELECTRICAL- CABLES & WIRES	Hot Dipped Galvanised coating on round steel wires	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 4826 : 1979, RA: 2021
440	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Thickness and dimension test	BS 6480-am1,am2(Cl.19): : 1988
441	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for current Transformers	Capacitance Measurement	IEC 61869-2(Cl.7.4.3.),: : 2012
442	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for current Transformers	Capacitance Measurement	IS 16227 : Part 2 : 2016 , RA: 2021
443	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for current Transformers	Partial discharge Test	IEC 61869-2 cl. 7.3.1: 2012
444	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for current Transformers	Partial Discharge test	IS 16227 : Part 2 : 2016 , RA: 2021
445	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for current Transformers	Tan Delta Measurement	IEC 61869-2, Cl. 7.4.3: 2012
446	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for current Transformers	Tan Delta Measurement	IS 16227 : Part 2 : 2016 , RA: 2021
447	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for Voltage Transformers	Capacitance Measurement	IS 16227 : Part 5 : 2015 , RA: 2020
448	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for Voltage Transformers	Capacitance Measurement	IEC 61869-3 (Cl.7.4.3): 2011

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449	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for Voltage Transformers	Tan Delta Measurement	IS 16227 : Part 5 : 2015 , RA: 2020
450	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Additional Requirements for Voltage Transformers	Tan Delta Measurement	IEC 61869 part 3: 2011
451	ELECTRICAL- CABLES & WIRES	Instrument Transformers- General Requirements	Capacitance Measurement	IEC 61869-1, cl. 7.4.3: 2007
452	ELECTRICAL- CABLES & WIRES	Instrument Transformers- General Requirements	Capacitance Measurement	IS 16227 : Part 1: 2016
453	ELECTRICAL- CABLES & WIRES	Instrument Transformers- General Requirements	Partial discharge Test	IEC 61869-1, cl. 7.3.2: : 2007
454	ELECTRICAL- CABLES & WIRES	Instrument Transformers- General Requirements	Partial Discharge test	IS-16227 Part-I: 2016
455	ELECTRICAL- CABLES & WIRES	Instrument Transformers- General Requirements	Tan Delta Measurement	IS 16227 : Part 1: 2016
456	ELECTRICAL- CABLES & WIRES	Instrument Transformers- General Requirements	Tan Delta Measurement at ambient	IEC 61869-1, cl. 7.4.3: 2007
457	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Breaking Strength test (Elongation at break test)	IS 10810 part 10,11,12,14,15,16 & 30: 1984
458	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Carbon Black content test	IS 10810 (Part 32):1984, RA:2021,IEC 60811-605: 2012
459	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Heat Shock test	IS 10810 pt. 10,11,12,14,15,16& 30 1984, IEC 60811-404,409,412,502,503,5 08,509 &507: : 2012
460	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Hot Deformation test	IS 10810 pt. 10,11,12,14,15,16& 30 1984,RA : 2021 IEC 60811-404,409,412,502,503,5 08,509 &507:: 2012
461	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Hot set test	IS 10810 9Part 30):1984, RA:2021, IEC 60811-507: 2012
462	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Loss of mass test	IS 10810 pt. 10,11,12,14,15,16& 30 1984, IEC 60811-404,409,412,502,503,5 08,509 &507: 2012
463	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Mechanical test Tensile Strength test	IS 10810 part 10,11,12,14,15,16 & 30: : 1984
464	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Pressure test at high temperature	IS 10810 : PART- 10,11,12,14,15,16& 30 1984, RA: 2021, IEC 60811-404,409,412,502,503,5 08,509 &507:: 2012

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465	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Shrinkage test	IS 10810 pt. 10,11,12,14,15,16& 30 1984, IEC 60811-404,409,412,502,503,508,509 &507: : 2012
466	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Tear Resistance test	IS 10810 part 10,11,12,14,15,16 & 30: 1984
467	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Tensile strength test after Mineral Oil Immersion test	IS 10810 (Part 31):1984, RA:2021, IEC 60811-404: 2012
468	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Tensile strength test before and after Ageing in air oven	IS 10810 pt. 10,11,12,14,15,16& 30 1984, RA: 2021, IEC 60811-404,409,412,502,503,508,509 &507: 2012
469	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Test for resistance for cracking	IS 10810 pt. 10,11,12,14,15,16& 30 1984, RA : 2021 IEC 60811-404,409,412,502,503,508,509 &507: 2012
470	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Mechanical test Tensile strength test	IEC 60811 501 : 2012 + AMD1 : 2018 : 2012
471	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Tear Resistance test	IEC 60811-501: 2012
472	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric cables	Thermal Stability Test for PVC material	IEC 60811-405: 2012
473	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Water Absorption (Electrical)	IEC 60811-402: 2012
474	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Water Absorption Test (Gravimetric)	IEC 60811-402: 2012
475	ELECTRICAL- CABLES & WIRES	Insulating mat for Electrical Purposes	Power Frequency withstand test/Dielectric strength	IS 15652:2006, Amt.No.1, Amt. No.2, RA: 2016
476	ELECTRICAL- CABLES & WIRES	Joints and Termination of Polymeric Cables for working voltages from 6.6kV up to and including 33 kV	Mechanical Test: Impact Test	IS 13573 part 2 (RA 2021) & part 3 (RA 2016): 2011
477	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kLV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Dielectric withstand test	BS 7870-4.10 Table 5: 2011
478	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Breaking strength (elongation at break) test after Annealing test	BS 7870-1: : 2011



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479	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Capacitance Measurement	BS 7870-4.10 Table 5: 2011
480	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Electrical Heat Cycle test	BS 7870-4.10: 2011
481	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Impulse withstand test	BS 7870-4.10 Table 5: 2011
482	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Mechanical Test Tensile test	BS 7870-1: : 2011
483	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Partial Discharge test	BS 7870-4.10 Table 5: 2011
484	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Power frequency withstand test	BS 7870-4.10 Table 5: 2011
485	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Power frequency withstand test	BS 7870-4.10 Table 5: 2011
486	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Tan delta at ambient and elevated temperature	BS 7870-4.10 Table 5: 2011
487	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Water penetration test	BS 7870-4.10 Table 5: 2011
488	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33kV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Dielectric strength test	BS 7870-4.10 Table 5: 2011
489	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33kV	Breaking Strength (Elongation at break test)	BS 7870-1: : 2011
490	ELECTRICAL- CABLES & WIRES	Mild Steel wires, Formed wires And tapes For armouring of Cables	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 3975, cl.9 :1999, RA: 2021
491	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Armour Resistivity Test	IS 692 cl.24 : 1999, RA: 2020
492	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Breaking strength test (Elongation at break test)	IS 692 : 1999, cl.24 RA: 2020



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493	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Capacitance Measurement	IS 692 : 1999, cl.24 RA: 2020
494	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Conductor Resistance test	IS 692 : 1999, cl.24 RA: 2020
495	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Dielectric Strength Test	IS 692 : 1999, cl.24 RA: 2020
496	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Dielectric Strength test	IS 692 : 1999, cl.24 RA: 2020
497	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Dimension of Armour Material	IS 692 : 1994, RA: 2020
498	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Flame Retardant test (Flammability test)	IS 692 : 1999, cl.24 RA: 2020
499	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 692 : 1999, cl.24 Am I, am II (Cl.24 RA 2020): 2020
500	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Heat Shock test	IS 692 : 1999, cl.24 RA: 2020
501	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Hot Deformation Test	IS 692 : 1999, cl.24 RA: 2020
502	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Insulation Resistance test	IS 692 : 1999, cl.24 RA: 2020
503	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	IR Constant	IS 692 : 1999, cl.24 RA : 2020: 1994
504	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Loss of Mass test	IS 692:1999, Cl.24 RA: 2020
505	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Mechanical test Tensile strength test	IS 692 : 1999, cl.24 RA: 2020
506	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Power frequency withstand test	IS 692 : 1999, cl.24 RA: 2020
507	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Power frequency withstand test	IS 692 : 1999, cl.24 RA: 2020
508	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Pressure test at High Temperature	IS 692 : 1999, cl.24 RA: 2020
509	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Shrinkage test	IS 692 : 1999, cl.24 RA: 2020
510	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Tan Delta Measurement at ambient and elevated temperature	IS 692 : 1999, cl.24 RA: 2020
511	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Tear Resistance test	IS 692 : 1999, cl.24 RA: 2020



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512	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Tensile strength test before and after Ageing in air oven	IS 692 : 1999, cl.24 RA: 2020
513	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Tests for resistance to cracking	IS 692 : 1999, cl.24 RA: 2020
514	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Thickness and dimension test	IS 692 : 1999, cl.24 RA: 2020
515	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Volume Resistivity Test	IS 692 : 1999, cl.24 RA: 2020
516	ELECTRICAL- CABLES & WIRES	Plastics and Cables	Oxygen Index Test and Temperature Index Test	ASTM D2863, IS 7098 : Part 1 : 1988, IS 7098 (Part 2) : 2011, IS 1554, Part-1, Cl.15 :1988, IS :694 :2010 Table-1: 2020: 2019
517	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Breaking strength (elongation at break) test after Annealing test	IEC 60227 (Part I to VI), Cl.12: 2007
518	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Breaking Strength test (Elongation at break test)	IEC 60227 (Part I to VI), Cl.12: 2007
519	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Conductor Resistance test	IEC 60227(Part I to VI), Cl.12: 2007
520	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Mechanical test Tensile test	IEC 60227 (Part I to VI), Cl.12: 2007
521	ELECTRICAL- CABLES & WIRES	Power Cable	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 2633: 1986 , RA: 2021
522	ELECTRICAL- CABLES & WIRES	Power Cable	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 6745:1972, RA: 2021
523	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages 3.3kV upto 30 kV	Load Cycle test	DIN VDE 0278-629-1: 2009
524	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages 3.3kV upto 30 kV	Load Cycle test	DIN VDE 0278-629-1: 2009
525	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 30 kV	Dielectric strength test	DIN VDE 0278-629-1: : 2009
526	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 30 kV	Dielectric Strength test	DIN VDE 0278-629-1: 2009
527	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 30 kV	Impulse withstand test	DIN 61442: 2009
528	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 30 kV	Power frequency test	DIN VDE 0278-629-1: 2009
529	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 30 kV	Power Frequency test	DIN VDE 0278-629-1: 2009

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BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
530	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 36 kV	DC withstand Test	DIN VDE 0278-629-1: : 2009
531	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U upto 30 kV	Mechanical test Cold Impact test	IEC 60502-4: 2010
532	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U upto 30 kV	Mechanical Test: Impact Test	DIN VDE 0278-629-1: 2009
533	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories - for rated voltages 6 kV to 30 kV	Partial discharge Test	IEC 60502-4, Table 5,6,&7: 2010
534	ELECTRICAL- CABLES & WIRES	Power Cables	Armour Resisitivity test	IS 10810 : Part 5 & 42 : 1984 RA: 2021
535	ELECTRICAL- CABLES & WIRES	Power Cables	Capacitance Measurement	IS 10810 : Part 48 : 1984, RA: 2021
536	ELECTRICAL- CABLES & WIRES	Power Cables	Cold Bend test	IS 10810 (Part 20):1984, RA: 2021
537	ELECTRICAL- CABLES & WIRES	Power Cables	Conductor Resistance	IS 10810 : Part 5 & 42 : 1984 RA: 2021
538	ELECTRICAL- CABLES & WIRES	Power Cables	Dimension of Armour Material/Coverage of Armour	IS 10810 : Part 36 : 1984 RA :2021, IS 7098 (Part 1) : 1988, IS 7098 (Part 2): 2011
539	ELECTRICAL- CABLES & WIRES	Power Cables	Electrical heat cycle test	IS 10810 (Part 49) : 1984, RA: 2021
540	ELECTRICAL- CABLES & WIRES	Power Cables	Fire resistance/ Flammability	ASTM-D635: 2022
541	ELECTRICAL- CABLES & WIRES	Power Cables	Fire retardant/ Flammability	IS 11731 part 1 & 2 :1986 RA: 2021
542	ELECTRICAL- CABLES & WIRES	Power Cables	Flame Retardant test (Flammability test)	IS 10810 : Part 53 : 1984, RA: 2021
543	ELECTRICAL- CABLES & WIRES	Power Cables	Flammability test on Bunch of Cables Test	IS 10810 (Part 62) : 1993 , RA: 2019
544	ELECTRICAL- CABLES & WIRES	Power Cables	Halogen Acid Test	IEC 60754-2: +AMD1:2019: 2011
545	ELECTRICAL- CABLES & WIRES	Power Cables	Halogen Acid test	IS 7098 (Part 1) : 1988, IS 7098 (Part 2) : 2011: 2011
546	ELECTRICAL- CABLES & WIRES	Power Cables	High Voltage Test	IS 10810 : Part 45 : 1984 , RA : 2021, IS : 7098 : Part :2 : 2021
547	ELECTRICAL- CABLES & WIRES	Power Cables	Insulation Resistance test	IS 10810 : Part 43 : 1984, RA: 2021
548	ELECTRICAL- CABLES & WIRES	Power Cables	IR Constant test	IS 10810 : Part 43 : 1984, RA: 2021
549	ELECTRICAL- CABLES & WIRES	Power Cables	Load cycle test	IS 10810 (Part 49) : 1984, RA: 2021

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550	ELECTRICAL- CABLES & WIRES	Power Cables	Mechanical test Cold Impact test	IS 10810 (Part 21):1984, RA: 2021
551	ELECTRICAL- CABLES & WIRES	Power Cables	Partial discharge Test	IS 10810 part 45-48, RA: 2021
552	ELECTRICAL- CABLES & WIRES	Power Cables	Power Frequency Withstand Test/ Dielectric strength	IS 10810 : Part 45 : 1984 , RA: 2021
553	ELECTRICAL- CABLES & WIRES	Power Cables	Swedish Chimney Flammability Test	IS 10810 (Part 61) : 1988, RA: 2020
554	ELECTRICAL- CABLES & WIRES	Power Cables	Tan Delta Measurement at ambient & elevated temperature	IS 10810 : Part 48 : 1984, RA: 2021
555	ELECTRICAL- CABLES & WIRES	Power Cables	Thermal Stability Test for PVC material	IS 10810 : Part 60 : 1988, RA : 2020, IS :7098 Part :2 :2011: 2020
556	ELECTRICAL- CABLES & WIRES	Power Cables	Thickness and dimension test	IS 10810 part : 34 : 1984, RA : 2021, IEC 60811-201, 202, 203:: 2012
557	ELECTRICAL- CABLES & WIRES	Power Cables	Volume Resistivity test	IS 10810 : Part 43 : 1984, RA: 2021
558	ELECTRICAL- CABLES & WIRES	Power Cables	Water Absorption (Gravimetric)	IS 10810 : Part 33 : 1984, RA: 2021
559	ELECTRICAL- CABLES & WIRES	Power Cables	Water absorption Test (Electrical)	IS 10810 : Part 28 : 1984, RA: 2021
560	ELECTRICAL- CABLES & WIRES	Power Cables from 3.6/6 kV up to 20.8/36 kV	Load Cycle test	DIN EN 61442 : 2005
561	ELECTRICAL- CABLES & WIRES	Power Cables from 3.6/6 kV up to 20.8/36 kV	Load Cycle test	DIN EN 61442: 2005
562	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Ageing in air bomb	IEC 60502 part 1, cl. 18: 2009
563	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Bending test	IEC 60502, part 1, cl.18: 2009
564	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Breaking Strength test (Elongation at Break test)	IEC 60502 part 1 cl.18: 2009
565	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Carbon Black Content Test	Cl. 18, IEC 60502 part-1: 2021
566	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Carbon Black content test	IEC 60502 part 1, cl. 18: 2009
567	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Dimension of Armour	Cl. 18, IEC 60502 Part-1: 2021
568	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Drainage test	IEC 60502 part 1, cl. 18: 2009



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569	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Dripping test	IEC 60502 part 1, cl. 18: 2009
570	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Flame retardant Test on Bunch cable	Cl.18 IEC 60502 Part-1: 2021
571	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Flame Retardant Test (Flammability Test)	cl.17 IEC 60502 part-1: 2021
572	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Flame Retardant test (Flammability test)	IEC 60502, part-1, cl.18: : 2009
573	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Flame Retardant test on Bunch of Cables	IEC 60502, Part-1, Cl.18: 2009
574	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Heat Shock test	IEC 60502 part 1, cl. 18: : 2009
575	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Hot deformation test	IEC 60502 part 1, cl. 18: 2009
576	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Hot set test	IEC 60502 part 1, cl. 18: 2021
577	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Impulse withstand test	IEC 60502 part I-(Cl. 17: 2021
578	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Insulation Resistance test	IEC 60502 part 1, cl. 17: 2021
579	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	IR Constant test	IEC 60502 part 1, cl. 17: 2021
580	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Loss of mass test	IEC 60502 part 1, cl. 18: 2021
581	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Mechanical test Tensile test	IEC 60502 part 1, cl. 17: 2021
582	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Pressure test at high temperature	IEC 60502 part 1, cl. 18: 2021
583	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Shrinkage test	IEC 60502 part 1, cl. 18: 2021
584	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Tear Resistance test	IEC 60502, part 1, Cl.17: 2021
585	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Tensile strength test after Mineral Oil Immersion test	IEC 60502 part 1, cl. 18: 2021
586	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Tensile strength test before and after Ageing in air oven	IEC 60502 part 1, cl. 18: 2009
587	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Test for resistance to cracking test	IEC 60502 part 1, cl. 18: 2021
588	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Thickness and dimension test	IEC 60502 part 1 cl.18: 2021



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589	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Torsion test	IEC 60502 part-1, cl.18: 2021
590	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Volume Resistivity test	IEC 60502 part 1, cl. 17: 2021
591	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Winding test	IEC 60502 part-1, cl.18: 2021
592	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Wrapping test	IEC 60502, Part-1, Cl.18: 2021
593	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Dimension of Armour Material	IEC 60502 part 1, cl. 18: : 2021
594	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 part 1, cl. 17: 2021
595	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Water Absorption (Gravimetric)	IEC 60502 part 1, cl.18: 2021
596	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Water Immersion Test	IEC 60502 part 1 cl.18: 2021
597	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Water Immersion Test	IEC 60502 part 1 cl.18: 2021
598	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Bending test	IEC 60502, Part-2, Cl.18: 2014
599	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Carbon Black content test	IEC 60502, part-2, cl.18: 2014
600	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Cold bend test	IEC 60502, part-2, Cl.17: 2014
601	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Cold Elongation test	IEC 60502, part-2,,Cl.17: 2014
602	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Conditioning test	IEC 60502, Part-2, Cl.17: 2014
603	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Dimension of Armour Material	IEC 60502 part 2, cl.18: 2014
604	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Drainage test	IEC 60502, part-2, cl.18: 2014
605	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Dripping test	IEC 60502, Part-2, Cl.18: 2014
606	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Electrical heat cycle test	IEC 60502 part 2, cl. 18: 2014
607	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Flame Retardant test (Flammability test)	IEC 60502, Part-2, Cl.18: 2014
608	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Flame Retardant test on Bunch of Cables	IEC 60502, Part-2, Cl.18: 2014



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609	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Heat Shock test	IEC 60502, Part-2, Cl.18: 2014
610	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Hot deformation test	IEC 60502, part-2, cl.18: 2014
611	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Hot set test	IEC 60502, part-2, Cl.18: : 2014
612	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Impulse withstand Test	IEC 60502 part 2 cl.17: 2014
613	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	IR Constant test	IEC 60502, part-2, Cl.17: 2014
614	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Load cycle test	IEC 60502 part 2, cl. 18: 2014
615	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Loss of mass test	IEC 60502, part-2, Cl.18: : 2014
616	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Mechanical test Cold impact test	IEC 60502, Part-2, Cl.17: 2014
617	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Partial discharge Test	IEC 60502 (part 2), cl. 18: : 2014
618	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 part 2, cl. 18: : 2014
619	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Power Frequency Withstand Test/ Dielectric strength	IEC 60502 part 2, cl. 18: 2014
620	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Pressure test at high temperature	IEC 60502, part-2, Cl.18: 2014
621	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Shrinkage test	IEC 60502, part-2, Cl.18: 2014
622	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Tan Delta Measurement at ambient and elevated temperature	IEC 60502 part 2, cl.18: 2014
623	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Tensile strength test after Mineral Oil Immersion test	IEC 60502, part-2, Cl.18: 2014
624	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Tensile strength test before and after Ageing in air oven	IEC 60502, Part-2, Cl.18: 2014
625	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Test for Resistance to cracking	IEC 60502, Part-2, Cl.18: 2014
626	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Thickness and dimension test	IEC 60502 part 2 cl.18 : 2014
627	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Torsion test	IEC 60502, Part-2, Cl.18: : 2014
628	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Volume Resistivity test	IEC 60502, Part-2, Cl.17: 2014

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629	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Water Absorption (Gravimetric)	IEC 60502 part 2, cl.18: : 2014
630	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Water penetration test/Longitudinal Water Penetration test	cl.19.24 of IEC 60502 part 2, IS 7098 (Part 2) : 2011: 2014
631	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Winding test	IEC 60502, Part-2, Cl.18: 2014
632	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Wrapping test	IEC 60502, Part-2, Cl.18: 2014
633	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV Cables	Capacitance Measurement	IEC 60502 part 2, cl.18: 2014
634	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6kV upto and including 30kV	Strippability Test	IEC 60502 part-2: 2014
635	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Armour Resistivity test	IEC 60502, Part-1, Cl.16 & 17: 2021
636	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Armour Resistivity test	IEC 60502, part-2, Cl.17: 2014
637	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Conductor resistance test	IEC 60502, Part-1, Cl.16 & 17: : 2021
638	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Conductor Resistance test	IEC 60502, Part-2, Cl.17: 2014
639	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Cold Bend test	IEC 60502, Part-1, Cl.18: 2021
640	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Cold Elongation test	IEC 60502, Part-1, Cl.18: 2021
641	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Conditioning test	IEC 60502, part-1, Cl.18: 2021
642	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Mechanical test Cold impact test	IEC 60502, Part-1, Cl.18: 2021
643	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Thermal Stability Test for PVC material	IEC 60502 part 1 cl.18: 2021
644	ELECTRICAL- CABLES & WIRES	Power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	DC withstand Test	VDE -0278-442: 2006
645	ELECTRICAL- CABLES & WIRES	power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Dielectric Strength test	VDE-0278-442: 2006
646	ELECTRICAL- CABLES & WIRES	Power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Impulse withstand Test	VDE -0278-442: 2006
647	ELECTRICAL- CABLES & WIRES	Power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Partial discharge Test	DIN EN 61442: 2005
648	ELECTRICAL- CABLES & WIRES	Power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Partial discharge Test	VDE -0278-442: 2006

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649	ELECTRICAL- CABLES & WIRES	power cables with rated voltages from 3.6/6 kV up to and including 20.8/36kV	Mechanical Test: Impact Test	DIN EN 61442 : 2005
650	ELECTRICAL- CABLES & WIRES	PVC Cables Upto and including 1.1kV	Flammability test	IS 694 : 2010 RA :2020 cl.15: 2020
651	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Ageing in air bomb	IS 1554 : Part 2, cl.18 RA: 2020
652	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Armour Resistivity test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
653	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Breaking strength test (Elongation at break test)	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
654	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Carbon Black content test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
655	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Cold Bend test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
656	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Conductor Resistance test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
657	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Dimension of Armour Material	IS 1554 : Part 2 : 1988, cl. 18 RA: 2020
658	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Electrical Heat Cycle test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
659	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Flame Retardance test (Sweedish Chimney test)	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
660	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Flame retardance test on bunch of cables	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
661	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Flame Retardant test (Flammability test)	IS 1554 : Part 2 : 1988, cl.18, RA: 2020
662	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 1554 : Part 2 : 1988 cl.18, RA: 2020
663	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Heat Shock test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
664	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Hot deformation test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
665	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Hot set test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
666	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Impulse withstand Test	IS 1554 : Part 2 : 1988 RA: 2020
667	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Insulation Resistance test	IS 1554 : Part 2 : 1988, cl.18, RA: 2020
668	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	IR Constant test	IS 1554 : Part 2 : 1988, cl.18, RA: 2020

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669	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Load cycle test	IS 1554 : Part 2 : 1988 RA : 2020, cl.18: 2020
670	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Loss of mass test	IS 1554 : Part 2 : 1988, cl.18, RA: 2020
671	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Mechanical test Cold Impact test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
672	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Mechanical test Tensile test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
673	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Power Frequency Withstand Test/ Dielectric strength	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
674	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Power Frequency Withstand Test/ Dielectric strength	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
675	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Shrinkage test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
676	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Tensile strength test before and after Ageing in air oven	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
677	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Thermal Stability Test for PVC material	IS 1554 : Part 2 : 1988 cl.18 RA: 2020
678	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Thickness and dimension test	IS 1554 : Part 2 : 1988, cl. 18 RA: 2020
679	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Volume Resistivity test	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
680	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Water Absorption (Gravimetric)	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
681	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV up to and including 11 kV	Partial discharge Test	IS 1554 : Part 2 : 1988 RA: 2020
682	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Armour Resistivity test/ Resistance test	IS 1554 : Part 1 : 1988, cl.15, RA: 2020
683	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Conductor Resistance test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
684	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	DC withstand Test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
685	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Dimension of Armour Material	IS 10810 : Part 36 : 1984, RA: 2021
686	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Dimension of armour material/Coverage of Armour	IS 1554 : Part 1 : 1988, Am I, Am II, Am III (Cl.15) RA: 2020
687	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	High voltage Test (Water Immersion test)	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
688	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	High Voltage Test at Room temperature	IS 1554 : Part 1 : 1988, cl.15 RA: 2020



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689	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	High Voltage Test at Room Temperature	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
690	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Test for resistance to cracking	Clause 5 of IS 1554 : Part 1 : 1988 RA: 2020
691	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Thermal Stability Test for PVC material	IS 1554 : Part 1 : 1988, cl. 15 RA: 2020
692	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Thickness and dimension test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
693	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Water Immersion Test/ Absence of faults in the insulation	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
694	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts From 3.3 kV up to and including 11 kV	Partial discharge Test	IEC 60885-2: 1987
695	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts From 3.3 kV up to and including 11kV	Insulation Resistance Test/ Volume resistivity/ IR Constant	IS 694 : 2010 cl.15 RA: 2020
696	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Insulation Resistance test/IR Constant test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
697	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Tensile strength and elongation at Break	IS 1554 : Part 1 : 1988, cl.15 , RA: 2020
698	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Tensile Strength and Elongation at Break for Insulation and Outre sheath	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
699	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Volume Resistivity test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
700	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables from 3.3 kV up to and including 11 kV	Capacitance Measurement	IS 1554 : Part 2 : 1988, cl.18 RA: 2020
701	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables from 3.3 kV up to and including 11 kV	Tan Delta Measurement at ambient and elevated temperature	IS 1554 : Part 2 : 1988, cl. 18 RA: 2020
702	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
703	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Armour Resistivity test	IS 694 : 2010 cl.15 RA: 2020
704	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Conductor Resistance test	IS 694 : 2010 cl.15 RA: 2020
705	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	DC withstand Test	IS 694 : 2010 , cl.15 RA: 2020
706	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 Volts	High Voltage Test (Water Immersion Test)	IS 694 : 2010 Table: 1. RA: 2020

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707	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	High Voltage Test or Spark test	IS 694 : 2010 cl. 15 RA: 2020
708	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Power Frequency Withstand Test/ Dielectric strength	IS 694 : 2010, cl. 15 RA: 2020
709	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 Volts	Thickness and dimension test	IS 694 : 2010, cl.15 RA: 2020
710	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 Volts	Water Immersion Test/ Absence of faults in the insulation	IS 694 : 2010 cl.15 RA: 2020
711	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold impact test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
712	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Tensile test	IS 694 : 2010 Table:1 RA: 2020
713	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Annealing test	IS 694 : 2010, cl.15 RA : 2020, cl. 15 IS : 1554 (Part 1) - 1988 : 2020
714	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold Bend test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
715	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold Bend test	IS 694 : 2010 cl.15, RA: 2020
716	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Mechanical test Cold impact test	IS 694 : 2010 cl.15 RA: 2020
717	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Tensile strength and Elongation at Break for Insulation and Sheath	IS 694 : 2010, Table:1 RA: 2020
718	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Thermal Stability Test for PVC material	IS 694 : 2010 cl.11, RA: 2020
719	ELECTRICAL- CABLES & WIRES	PVC insulated Cables of rated voltages up to and including 450/750 Volts	Cold bend test	IEC 60227, Part 1 to 6, cl.12: 2007
720	ELECTRICAL- CABLES & WIRES	PVC insulated Cables of rated voltages up to and including 450/750 Volts	Cold Elongation test	IEC 60227, Part 1 to 6, cl.12: : 2007
721	ELECTRICAL- CABLES & WIRES	PVC insulated Cables of rated voltages up to and including 450/750 Volts	Mechanical test Cold Impact test	IEC 60227, Part 1 to 6, cl.12: 2007
722	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of rated Voltages up to and including 450/750 Volts	Thickness and dimension test	IEC 60227 part 1 to 6, cl.12: 2007
723	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Ageing in air oven/Additional ageing Test	IS 694 : 2010 Table:1, RA: 2020
724	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Carbon Black content test	IS 694 : 2010 cl.15 RA: 2020
725	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Heat shock test	IS 694 : 2010 cl.15 RA: 2020

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726	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Hot Deformation test	IS 694 : 2010 cl.15 RA: 2020
727	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Loss of mass test	IS 694 : 2010 cl.15 RA: 2020
728	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Shrinkage test	IS 694 : 2010 cl.15 RA: 2020
729	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flame Retardance test (Sweedish Chimney test)	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
730	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flame retardance test on bunched cables	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
731	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flammability test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
732	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Heat Shock test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
733	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Hot Deformation test	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
734	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Hot set test	IS 1554 : Part 1 : 1988, cl.15: RA: 2020
735	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Loss of mass in air oven	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
736	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Pressure test at high temperature	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
737	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Shrinkage test	IS 1554 : Part 1 : 1988 cl.15 RA: 2020
738	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Tensile strength test before and after Ageing in air oven	IS 1554 : Part 1 : 1988, cl.15 RA: 2020
739	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Torsion test	IS 1554, Part-1, Cl.15 :1988: 2020
740	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Winding Test	IS 1554, Part-1, Cl.15 :1988, IS :694 :2010 Table-1:: 2020
741	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Wrapping test	IS 1554, Part-1, Cl.15 :1988, IS :694 :2010 Table-1: 2020
742	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Conductor Resistance test	IEC 60245, Part 1 to 7: 2003
743	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Power Frequency Withstand Test/ Dielectric strength	IEC 60245, part 1 to 5: 2003
744	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Power Frequency Withstand Test/ Dielectric strength	IEC 60245, part 1 to 5:: 2003
745	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Resistivity of Armour	IEC 60245, Part 1 to 7: 2003



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746	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Breaking strength (elongation at break) test after Annealing test	IEC 60245, Part 1 to 7: : 2003
747	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Breaking strength test (Elongation at break test)	IEC 60245, Part 1 to 7: 2003
748	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Insulation Resistance test	IEC 60245, Part 1 to 7: 2003
749	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	IR Constant test	IS 60245, Part 1 to 7: 2003
750	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Mechanical test tensile strength test	IEC 60245, Part-1 to 7: 2003
751	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Tear Resistance test	IEC 60245, Part-1 to 7: 2003
752	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages Up to and including 450/750 Volts	Thickness and dimension test	IEC 60245 part 1 to 7: 2003
753	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Volume Resistivity test	IEC 60245, Part 1 to 7: 2003
754	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Ageing in air bomb	IEC 60245, Part 1 to 7: 2003
755	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Carbon Black content test	IEC 60245, Part 1 to 7: 2003
756	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Cold Bend test	IEC 60245, Part 1 to 7: 2003
757	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Cold Elongation test	IEC 60245, part 1 to 7: 2003
758	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Conditioning test	IEC 60245 Part 1 to 7: 2003
759	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Heat Shock test	IEC 60245, Part 1 to 7: : 2003
760	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Hot Deformation test	IEC 60245, Part 1 to 7: 2003
761	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Hot set test	IEC 60245, Part 1 to 7: 2003
762	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Loss of mass test	IEC 60245, Part 1 to 7: : 2003
763	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Mechanical test Cold Impact test	IEC 60245, Part 1 to 7: 2003
764	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Pressure test at high temperature	IEC 60245, Part 1 to 7: 2003
765	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Shrinkage test	IEC 60245, Part 1 to 7: 2003

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766	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Tensile strength test after Mineral Oil Immersion test	IEC 60245, Part 1 to 7: 2003
767	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Tensile strength test before and after Ageing in air oven	IEC 60245, Part 1 to 7: : 2003
768	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Test for Resistance to cracking	IEC 60245, Part 1 to 7: 2003
769	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Breaking strength test (Elongation at break test)	IEC 60092-350: 2020
770	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Capacitance Measurement	IEC 60092-350-Cl. No. 7.7: 2020
771	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Carbon Black content test	IEC 60092-350, Cl.8: 2020
772	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Conductor Resistance Test/ Armour resistivity Test	IEC 60092-350: 2020
773	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Electrical Heat cycle test	IEC 60092-350, Cl.7: 2020
774	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Heat Shock test	IEC 60092-350, Cl.8: : 2020
775	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Hot deformation test	IEC 60092-350, Cl.18: 2020
776	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Hot set test	IEC 60092-350, Cl.8: 2020
777	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Impulse withstand test	IEC 60092-350: 2020
778	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Load cycle test	IEC 60092-350, Cl.7: 2020
779	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Loss of mass test	IEC 60092-350, Cl.8: 2020
780	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Mechanical test Tensile strength test	IEC 60092-350: 2020
781	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Partial Discharge test	IEC 60092-350- Cl.No. 7.7.3: 2020
782	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Power Frequency Withstand Test/ Dielectric strength	IEC 60092-350- Cl. 7.7: 2020
783	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Power Frequency Withstand Test/ Dielectric strength	IEC 60092-350- Cl. 7.7: 2020
784	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Pressure test at high temperature	IEC 60092-350, Cl.8: 2020
785	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Shrinkage test	IEC 60092-350, Cl.8: : 2020



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786	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Tan delta Measurement	IEC 60092-350- Cl. No. 7.7: 2020
787	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Tear Resistance test	IEC 60092-350: 2020
788	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Tensile strength test before and after Ageing in air oven	IEC 60092-350, Cl.8: 2020
789	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Test for resistance to cracking	IEC 60092-350, Cl.8: 2020
790	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Water penetration test	IEC 60092-350, Cl.7: 2020
791	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Armour Resistivity test	BS 6231, Cl.11: 2006
792	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Conductor resistance test	BS 6231, Cl.11: 2006
793	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Power Frequency Withstand Test/ Dielectric strength	BS 6231, cl.11: 2006
794	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Power Frequency Withstand Test/ Dielectric strength	BS 6231, cl.11: 2006
795	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Ageing air bomb	BS 5467 cl.14: 2016
796	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Breaking strength (elongation at break) test after Annealing test	BS 5467 cl.14: : 2016
797	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Breaking strength test (Elongation at break test)	BS 5467 cl.14: 2016
798	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Carbon Black content test	BS 5467 cl.14.: 2016
799	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Conductor Resistance Test/ Armour resistivity Test	BS 5467, cl. 14: 2016
800	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Dielectric withstand test	BS 5467 cl.14: : 2016
801	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Dimension of Armour Material	BS 5467, cl.14: 2016
802	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Drainage test	BS 5467 cl.14: : 2016
803	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Dripping test	BS 5467 cl.14: : 2016
804	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Fire Retardant/ Flammability Test /Swedish Chimney Test	BS 5467 cl. 14 : : 2016
805	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Heat Shock test	BS 5467 cl.14: : 2016

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806	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Hot Deformation test	BS 5467 cl.14: 2016
807	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Hot set test	BS 5467 cl.14: 2016
808	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Loss of mass test	BS 5467 cl.14: 2016
809	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Mechanical test Tensile Strength test	BS 5467 cl.14: 2016
810	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Power Frequency withstand test	BS 5467 cl.14: 2016
811	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Power Frequency Withstand Test/ Dielectric strength	BS 5467, cl.14: 2016
812	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Pressure test at high temperature	BS 5467 cl.14: 2016
813	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Shrinkage test	BS 5467 cl.14: 2016
814	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Tear Resistance test	BS 5467 cl.14: 2016
815	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Tensile strength test after Mineral Oil Immersion test	BS 5467 cl.14: 2016
816	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Tensile strength test before and after Ageing in air oven	BS 5467 cl.14: 2016
817	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Test for Resistance to cracking	BS 5467 cl.14: 2016
818	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Thickness and dimension test	BS 5467 cl.14: 2016
819	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Water Absorption (Gravimetric)	BS 5467 cl.14: 2016
820	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Ageing in air bomb	BS 7846, Cl.14: 2015
821	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Hot Deformation test	BS 7846, Cl.14: 2015
822	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Hot set test	BS 7846, Cl.14: 2015
823	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Loss of mass test	BS 7846, Cl.14: 2015
824	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Pressure test at high temperature	BS 7846, Cl.14: 2015
825	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Shrinkage test	BS 7846, Cl.14: 2015



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826	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Tensile strength test after Mineral Oil Immersion test	BS 7846, Cl.14: : 2015
827	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Tensile strength test before and after Ageing in air oven	BS 7846, Cl.14: 2015
828	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Test for resistance to cracking	BS 7846, Cl.14: 2015
829	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV	Armour Resistance test	IS 13705 : 1993, RA: 2024
830	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV	Conductor Resistance test	IS 13705 : 1993, RA: 2024
831	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV	DC withstand Test	IS 13705 : 1993, RA: 2024
832	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV	Mechanical Test: Impact Test	IS 13705 : 1993, RA: 2024
833	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33kV	Power Frequency Withstand Test/ Dielectric strength	IS 13705 : 1993, RA: 2024
834	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33kV	Power Frequency Withstand Test/ Dielectric strength	IS 13705 : 1993, RA: 2024
835	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Capacitance Measurement	IS 13705 : 1993, RA: 2024
836	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Electrical Heat cycle Test /Load Cycle Test/ Water penetration Test/ Pre Qualification Test	IS 13705 : 1993, RA: 2024
837	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Electrical Heat cycle Test /Load Cycle Test/ Water penetration Test/ Pre Qualification Test	IS 13705 : 1993, RA: 2024
838	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Impulse withstand Test	IS 13705 : 1993, RA: 2024
839	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Partial discharge Test	IS 13705 : 1993, RA: 2024
840	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33kV	Insulation Resistance Test/ Volume resistivity/ IR Constant	IS 13705 : 1993, RA: 2024
841	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33kV	Tan Delta Measurement at ambient and elevated temperature	IS 13705 : 1993, RA: 2024
842	ELECTRICAL- CABLES & WIRES	Uniformity & Mass of Zinc Coating on steel armour	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating	IS 10810 part 40-41 : 1984, RA: 2021
843	ELECTRICAL- CABLES & WIRES	Unsaturated polyester Resin systems	Fire Retardant/ Flammability Test	IS 6746- APPENDIX-N :1994, RA: 2020
844	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Flame Retardance test on Bunched Cables	IS 7098 : Part 1 : 1988 cl.15 RA: 2020

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845	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Flame Retardance test on single cable	IS 7098 : Part 1 : 1988 cl. 15 RA: 2020
846	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Flammability test	IS 7098 : Part 1 : 1988, cl. 15 RA: 2020
847	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Heat shock test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
848	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Hot deformation test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
849	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Hot set test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
850	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Insulation Resistance test (Volume Resistivity Test)	IS 7098 : Part 1 : 1988, cl.15 RA: 2020
851	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	IR Constant test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
852	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Loss of mass in Air Oven	IS 7098 : Part 1 : 1988, cl.15 RA: 2020
853	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Pressure test at high temperature	IS 7098 : Part 1 : 1988 cl.16 RA: 2020
854	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Shrinkage test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
855	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Tensile strength and elongation at break for insulation and outer sheath	IS 7098 : Part 1 : 1988 cl.15 RA: 2020
856	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Tensile strength and Elongation at break test	IS 7098 : Part 1 : 1988, cl.15 RA : 2020, IS 10810 part 37: 2020
857	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Tensile strength test before and after Ageing in air oven	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
858	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1 kV	Thermal Stability Test for PVC material	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
859	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Thickness and dimension test	IS 7098 : Part 1 : 1988, RA : 2020 cl.16: 2020
860	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Thickness and dimension test	IS 7098 : Part 3 : 1993 RA: 2019
861	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Volume Resistivity test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
862	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Armour Resistivity test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
863	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Cold bend test	IS 7098 : Part 1 : 1988, cl. 15 RA: 2020



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864	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Cold Bend test for Outer Sheath	IS 7098 : Part 1 : 1988, cl.15 RA: 2020
865	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Cold Impact test for Outer Sheath	IS 7098 : Part 1 : 1988, cl. 15, RA: 2020
866	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Conductor Resistance test	IS 7098 : Part 1 : 1988, cl.16: RA: 2020
867	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1kV	Dimension of Armour Material	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
868	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
869	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Mechanical test Cold Impact test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
870	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Water Absorption (Gravimetric)	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
871	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Electrical Heat cycle test	IS 7098 : Part 2 : 2011, RA: 2021
872	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Impulse withstand Test	IS 7098 : Part 2 : 2011 cl.19 RA: 2021
873	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Partial discharge Test	IS 7098 : Part 2 : 2011 cl.19.20.2) RA: 2021
874	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Tan Delta Measurement/Dielectric Power factor test : as a function of voltage	IS 7098 : Part 2 : 2011 cl. 19 RA: 2021
875	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Water Penetration test	IS 7098 : Part 2 : 2011, RA: 2021
876	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33kV	Capacitance Measurement	IS 7098 : Part 2 : 2011, cl. 19 RA: 2021
877	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for working voltages up to 1.1 kV	High Voltage Test	IS 7098 : Part 1 : 1988- Am1,Am2,AM3(Cl.15): RA: 2020
878	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for working voltages up to 1.1 kV	Power Frequency Withstand Test/ Dielectric strength	IS 7098 Part I : 1988- Am1,Am2,AM3(Cl.16) RA: 2020
879	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Bending test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
880	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Torsion test	IS 7098 part 1 : 1988 , cl.16 RA: 2020
881	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Winding test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020
882	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Wrapping test	IS 7098 : Part 1 : 1988, cl.16 RA: 2020

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883	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Ageing in air oven/Thermal ageing test for complete cable	IS 7098 : Part 2 : 2011, cl.19 RA: 2021
884	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Annealing test	IS 7098 : Part 2 : 2011, cl.19 , IS 7098 : Part 1 : 1988 : 2011
885	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Bending test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
886	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Capacitance Measurement	IS 7098 : Part 2 : 2011 , Am I (Cl.19) RA: 2021
887	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Cold bend test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
888	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Cold impact test for Outer Sheath	IS 7098 : Part 2 : 2011 , cl.19, RA: 2021
889	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Conductor Resistance Test / Armour Resistivity Test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
890	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Flame retardance test on Bunched Cables	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
891	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Flame Retardance test on single cables	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
892	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Flammability test for PVC Sheathed cables	IS 7098 : Part 2 : 2011 cl.19 RA: 2021
893	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 7098 : Part 2 : 2011, Cl.19 RA: 2021
894	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Heat Shock test	IS 7098 : Part 2 : 2011, cl.19 RA: 2021
895	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Hot Deformation test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
896	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Hot set test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
897	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Insulation resistance (Volume resistivity) test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
898	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Loss of mass in Air Oven	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
899	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Shrinkage test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
900	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Tan delta at ambient and elevated temperature / Dielectric Power factor test : as a function of temperature	IS 7098 : Part 2 : 2011 , , Am I (Cl.19) RA: 2021
901	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Tensile strength and Elongation at Break	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021



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902	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Tensile Strength and Elongation at break for Insulation and Outer Sheath	IS 7098 : Part 2 : 2011, cl.19 RA: 2021
903	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Thickness and dimension test	IS 7098 : Part 2 : 2011 cl. 19 RA: 2021
904	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Torsion test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
905	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Water Absorption (Gravimetric)	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
906	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Winding test	IS 7098 : Part 2 : 2011 , cl.19 RA: 2021
907	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Wrapping test	IS 7098 : Part 2 : 2011 cl.19, RA: 2021
908	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed cables for working voltages from 3.3kv upto and including 33kv	Strippability Test	Cl. 19, IS:7098 part-2 :2011 RA: 2021
909	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2;AC Static Transformer operated Watthour and VAR- Hour Meters,Class 0.2 and 0.5;AC direct connected Static prepayment Meters for Active Energy Class 1 and 2;AC.Static Direct Connected Watthour Smart Meter Class1 and 2;AC. Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Sub harmonics in ac current circuit/Inter harmonic sin Ac current circuit-Burst fired wave form test	IEC62055 -31:2005,Cl.4.6.2IEC62052-11, 2020,Cl.9.4.2.3IEC62053-21,20 20,Cl.7.10IEC62053-22,2020,Cl .7.10IEC62053-23,2020,Cl.7.10 IEC62053-24,Cl.7.10: 2020
910	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class1 and2	Test of Immunity toelectro magnetic HF/RFFields	IS13779:1999A.1to5 Cl.12.9.3(Withdrawn),,IS15884: 2010Cl.5.5.3,CBIP&€ 325:2015 Cl.5.5.3,IS16444(Part1): 2015A.1 and 2Cl.6.11,IS13779: 2020
911	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Protection against penetration of dust and water	IS15884:2010Cl5.2.5,IEC62055 -31:2005,IEC62052-31,2015Cl. 11: 2005
912	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2	Surge immunity test	IS13779:2020Cl.12.9.5,IEC620 52-11:2020Cl.9.3.9,IEC62053- 22:2020,IEC62053- 23:2020,IEC62053- 24:2020,IEC62052-31:: 2015



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913	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2;	Influence of supply Voltage	IS13779:1999A1 to 5CI.12.7.2(Withdrawn), CBIP-325:2015 CI.5.4.2, ,IS13779:2020CI.12.7.2, IEC62052-11:2020CI.9.3.2, IEC62053-1:2020CI.7.10, IEC62053-22:2020, CI.7.10, IEC62053-23:2020CI.7.10, IEC62053-24:2020CI.7.10: 2020
914	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter -Static Energy Meter Category A,B,C1,C2&C3	2.9.2 Block load profile parameters 2.9.3 Selective access by Range for Block load profile 2.9.4 Daily loadprofileparameters2.9.5 Selectiveaccess by Range for Daily loadprofile2.9.6 Billing profileparameters2.9.7 Selectiveaccess by Entry for Billing profile2.10 General Purposeparameters :2.10.1 Name PlateDetails2.10.2 ProgrammableParameters	CINo4to14AnnexAtoLof IS15959(Part1:2011(RA:2016): 2011
915	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter -Static Energy Meter CategoryA,B,C1,C2&C3	Compliance test: 1 .0 Conformance to DLMS /COSEM (IEC62056)2.0 arameter verification :2.1SNRM/UA2.2 Object list download2.3 Association properties 2.4Simultaneous operation2.5 Security:2.5.1Lowest Level Security Secret2.5.2 Low Level Security (LLS) Secret 2.5.3 High Level Security (HLS) Secret2.6 ToU setting 2.7 Billing Period2.8 Billing Period Counter2.9 Parameter list:2.9.1 (a) Instantaneous Parameters2.9.1(b)SnapShot of Instantaneous Parameters2.9.1 (c) Scaler Profile	CINo4to14AnnexAtoLof IS15959(Part1)-2011(RA:2016): :: 2011



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916	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter -Static Energy Meter Category A,B,C1,C2&C3	2.11 Event code and Event logging :2.11.1 Indian Event Reference Table - voltage Related 2.11.2 Indian Event Reference Table - CurrentRelated2.11.3 Indian EventReference Table - PowerRelated2.11.4 Indian EventReference Table - TransactionRelated2.11.5 Indian EventReference Table - Other2.11.6Indian Event Reference Table - NonRollOver2.11.7Indian Event Reference Table -Control2.12 Selective accessbyEntryfor EventLogProfile	CINo4to14AnnexAtoLoF IS15959(Part1)-2011(RA:2016: 2011
917	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Direct Connected Watthour Smart Meter Class 1 and Class 2 - Specification	Smart Meter Functional Requirements	Clause 11 of IS 16444 (Part 1):: 2015
918	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Direct Connected Watthour Smart Meter Class 1 and Class 2 - Specification	Test for Data Exchange Protocol	Clause 10.5 of 16444 (Part 1): : 2015
919	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Direct Connected Watthour Smart Meter Class 1 and Class 2 - Specification	Test for Smart Meter Communicability	Clause 10.6 IS 16444 (Part 1):: 2015
920	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static DirectConnected WatthourSmartMeterClass1 andClass2	Smart Meter Functional Requirements	Cl.11ofIS16444(Part1)- 2015Amd1-2017Amd2:- 2019
921	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer Operated Watthour and Var - Hour Smart Meters, 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Smart Meter Functional Requirements	Clause 10 of IS 16444 (Part 2): 2017
922	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer Operated Watthour and Var - Hour Smart Meters, 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Test for Data Exchange Protocol	Clause 9.4 of IS 16444 (Part 2):: 2017
923	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer Operated Watthour and Var - Hour Smart Meters, 0.2S, 0.5S and 1.0S Part 2 Specification Transformer Operated Smart Meters	Test for Smart Meter Communicability	Clause 9.5 of IS 16444 (Part 2): : 2017



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924	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C Static Transformer operated Watthourand VAR-Hour Meters,Class 0.2 and0.5;AC.Static Transformer operated Watthourand VAR-hour Smart Meter Class0.2S,0.5Sand1.0S	Ambient temp. influence	IS14697:1999A.1to4 Cl.12.11(Withdrawn),CBIP-325: 2015Cl.5.6.3,IS16444(Part2):2017A.1Cl.6.12,IS14697:20Cl.12.11,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24,Cl.7.10::: 2020
925	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer operated WatthourandVar-hourSmartMetersClass 0.2S,0.5Sand1.0S	SmartMeterFunctional Requirements	Cl.10ofIS16444(Part2)-2017Amd1:- 2019
926	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Damp heat cyclic test	IS15884:2010Cl.5.3.1,IEC62055-31:2005Cl.No.6.0: 2005
927	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2;AC.Static Direct Connected Watthour Smart Meter Class1and2	Short time over current Test	IS15884:2010Cl.4.4.3,IEC62053-21:2005Cl.7.4,IS16444(Part1): A.1&2Cl.6.10.3: 2015
928	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2; AC.Static Direct Connected Watthou rSmartMeter Class1and2	Influence of supply Voltage	Cl.5.4.2, IS15884:2010Cl.4.4.2 & 5.4.2,IEC62055-31:2005Cl.7.2,IS16444(Part 1):2015A.1&2Cl.6.10.2: 2015
929	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2; AC.Static Direct Connected Watthour Smart Meter Class1and2;	Electrostatic Discharge Test	IS15884:2010Cl.5.5.2,IEC62031:2005Cl.7.8.2,IS16444(Part 1): 2015 A.1&2 Cl.6.11: 2015
930	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static Direct Connected Watthour Smar tMeter Class1and2	Line to Load Voltage Surge Withstand	IS15884:2010Cl.G4,IS16444(Pa rt 1): 2015A.1,2Cl.7.2,IEC62055-31:2005, Cl. AnnexC4: 2005
931	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static Direct Connected Watthour Smart Meter Class1and2	Influence of self heating	IS15884:2010Cl.5.4.4,IEC62053-21:2005Cl.7.6,IS16444(Part1): 2015 A.1&2Cl.6.10.4: 2015
932	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static Direct Connected Watthour Smart Meter Class1and2	Surge immunity test	IS15884:2010Cl.5.5.7,IEC62055-31:2005Cl.7.8.6,IS16444(Part1):2015,A.1&2Cl.6.11: 2015
933	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static Direct Connected Watthour Smart Meter Class1and2;	Abnormal voltage condition	IS15884:2010,IEC62055-31:2005,IS16444 (Part1):2015 A.2Cl.6.10.7: 2015



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934	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static Direct Connected Watthour SmartMeter Class1and2;	influence of heating	IS15884:2010Cl.5.4.5,IEC62055-31:2005Cl.7.5,IS16444(Part 1): 2015 A.1&2Cl.6.10.5,IEC62052-31:2015Cl.10.4,:: 2015
935	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static Direct Connected Watthour SmartMeter Class1and2;	Test of Immunity to electromagnetic HF/RF Fields	IS15884:2010Cl.5.5.3,IEC62031:2005Cl.7.8.3,IS16444 (Part1):2015A.1and2Cl.6.11: 2015
936	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and2;AC.Static DirectConnected Watthour SmartMeter Class1and2;	Fast transient burst test	IS15884:2010Cl.5.5.4,IEC62031:2005Cl.7.8.4,IS16444(Part1): 2015A.1,2Cl.6.11,: 2015
937	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Abnormal a.c.magnetic Induction of external Origin(10mTesla)	IS15884:2010Cl.5.6.2.4: 2010
938	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	AC voltage test	IS15884:2010 Cl.5.4.6.3,IEC62055-31:2005 Cl.7.7, : 2005
939	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Ambient temp. influence	IS15884:2010 Cl.5.6.3,IEC62055-31:2005 Cl.8.0: 2005
940	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Cold test	IS15884:2010Cl.5.3.1,IEC62055-31:2005Cl.No.6.0: 2005
941	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Continuous abnormaldc.magnetic Induction of external Origin(200/270mTesla)	IS15884:2010Cl.4.6.2, : 2010
942	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Crystal-controlled Clocks on ac supplies	IS15884:2010,Cl. D-3.2.1,IEC62055-31,Cl. D-4.3.1: 2005
943	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Crystal-controlled Clocks on Operation Reserve	IS15884:2010,Cl.D- 3.2.2 ,IEC62055-31,Cl. D- 4.3.2: 2005
944	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	DC & even harmonics in current circuit	IS15884:2010 Cl.4.6.2,IEC62055 -31:2005Cl.4.6.3: 2005



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945	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Dry heat test	IS15884:2010Cl.5.3.1,IEC62055-31:2005IEC62052-11:2020Cl.8.3.3,IEC62053-21:2020Cl.8IEC62053-22:2020Cl.8,IEC62053-23:2020Cl.8,IEC62053-24:2020Cl.8: 2020
946	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Effects of Disturbances on Time Keeping	IS15884:2010 ,Cl. D-4,IEC62055-31,Cl.D-5: 2005
947	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Frequency variation	IS15884:2010 Cl.4.6.2,IEC62055-31:2005Cl.8.: 2005
948	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	General and constructional requirements: General,eter case,Window,Terminals,Termin a I Block and Protective earth Terminal, Terminal Cover,Clearances and Creepage distances, Insulating encased meter,Display of measured values,Output Device,Keypad Interference	IS15884:2010 Cl.4.1,4.2.12.3,IEC62055-31: 2005
949	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Impulse voltage test	IS15884:2010 Cl.5.4.6.2,IEC62055 -31:2005 Cl.7.7: 2005
950	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Insulation test	IS15884:2010Cl.5.4.6.1,IEC62055-31: 2005
951	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	limits of error and Interpretation of test Results	IS15884:2010 Cl.5.6.6,IEC62055-31:2005Cl.8.0: 2005
952	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Magnetic induction of external origin(0.5mT)	IS15884:2010 Cl.4.6.2,IEC62055-31:2005Cl.7.7: 2005
953	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Operation of an Accessories	IS15884:2010Cl.4.6.2,IEC62055-31: 2005



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954	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Power Consumption	IS15884:2010Cl.5.4.1,IEC62055-31:2005Cl.7.3: 2005
955	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Radio Interference Measurement -Conducted emission-(0.15MHzto30MHz)	IS15884:2010Cl.5.5.5,IEC62031:2005Cl.7.8.8: 2005
956	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Test of resistance to heat & fire	IS15884:2010Cl.5.2.4,IEC62055-31:2005,IEC62052-31:2015Cl.9.3.2.1: 2005
957	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class1and2	Test on limits of error	IS15884:2010Cl.4.6.1,IEC62055-31:2005Cl.8.0, : 2005
958	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Spring Hammer Test/mechanical test of meter case	IS15884:2010Cl.5.2.1,IEC62055-31:2005,IEC62052-31:2015Cl.8.2: 2005
959	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Reversed phase sequence	IS15884:2010Cl.4.6.2,IEC62055-31:2005Cl.8.0: 2005
960	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Shock test	IS15884:2010Cl.5.2.2,IEC62055-31:2005Cl.5.2.2: 2005
961	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Stray d.c. magnetic induction of external origin 67mT	IS15884:2010Cl.4.6.2: 2010
962	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Test of repeatability of Error	IS15884:2010Cl.5.6.7,IEC62055-31:2005Cl.7.7, : 2005
963	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Test of starting condition	IS15884:2010Cl.5.6.4,IEC62055-31:2005Cl.8.0: 2005
964	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Test on consumption based,time base charging functions	IS15884:2010Cl.5.9,Cl.5.10IEC62055-31: 2015



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965	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2	Voltage unbalance	IS15884:2010 Cl.4.6.2,IEC62055 -31:2005 Cl.8.0: 2010
966	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for Active Energy Class1and2;	Test o Initial start-up of meter and Test of no load condition	IS15884:2010 Cl.5.6.3,IEC62055 -31:2005 Cl.8.0: 2005
967	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergy Class 1 and 2AC.StaticDirect ConnectedWatthour SmartMeterClass1and2;	Dielectric strength	IS15884:2010Cl.G8,IS16444(Pa rt1):2015A.1, 2Cl.7.2,IEC62055-31,Cl. AnnexC 8: 2005
968	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergy Class 1 and2,AC.Static Direct ConnectedWatthour Smart Meter Class 1and2	Functional requirements	IS15884:2010Cl.6.0,IEC62055- 31,Cl.9.0: 2005
969	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergy Class 1 and2;AC.Static DirectConnectedWatthourSmartMeterClass1and2;	Normal Operation	IS15884:2010Cl.G2,IS16444(Pa rt 1): 2015A.1,2Cl.7.2,IEC62055 -31:2005, Cl. AnnexC2: 2005
970	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergyClass1and2	Vibration test (Sine and random)	IS15884:2010 Cl.5.2.3,IEC62055 -31:2005 cl.no.5.2.3: 2005
971	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergyClass1and2	Voltage variation	IS15884:2010 Cl.4.6.2,IEC62055 -31:2005 Cl.8.0, : 2005
972	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergyClass1and2	Waveform 10% of 3rd harmonic in the current	IS15884:2010Cl.4.6.2: 2010
973	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergyClass1and2;	Marking of meters NamePlateConnection diagrams andterminalMarking	IS15884:2010 Cl.4.2,IEC62055-31:: 2005
974	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Staticprepayment Meters for ActiveEnergyClass1and2;	Test of meter constant	IS15884:2010 Cl.5.6.5,IEC62055 -31:2005 Cl.8.0: 2005



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975	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Shock test	IS14697:1999A.1to4, Cl.12.3.2(Withdrawn),CBIP-325:2015 Cl.5.2.3,IS16444(Part2):2017A.1Cl.6.5,IEC62052-11:2020Cl.5.2.1,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:2020,IS14697,Cl.12.3.3: 2021
976	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Test of repeatability of Error	IS14697:1999A.1to4 Cl.12.16(Withdrawn),CBIP-325: 2015 Cl.5.6.9,IS16444(Part2):2017A.1Cl.6.12,IS14697:2021Cl.12.16 ,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24,Cl.7.8: 2020
977	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Test of meter constant	IS14697:1999A.1to4 Cl.12.14 (Withdrawn),CBIP- 325:2015 Cl.5.4.6.6,IS16444 (Part 2):2017A.1Cl.6.12, IS14697:2021Cl.12.14,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24 ,Cl.7.4: 2020
978	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Abnormal a.c.magnetic Induction of external Origin(10mTesla)	IS14697:1999A.1to4 Cl.12.10(Withdrawn),CBIP- 325:2015 Cl.5.6.2.4,IS16444(Part2):2017 A.1Cl.6.12,IS14697,Cl: 2021
979	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Auxiliary voltage+/-15%	IS14697:1999A.1to4 Cl.12.10(Withdrawn),CBIPâ€“ 325:2015Cl.4.2.2.10, IS16444 (Part 2): 2017A.1Cl.6.12,IS14697:2021, Cl.12.10,IEC62052-11:2020 Cl.9.4.8,IEC62053-21:2020Cl.7.10,IEC62053-24Cl.7.10,: 2020



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980	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Cold test	IS14697:1999 A.1to 4Cl.12.6.2(Withdrawn),CBIP-32 5:2015 Cl.5.3.2,IS16444(Part2):2017A. 1Cl.6.9,IEC62052- 11:2020Cl.8.3.4,IEC62053- 21:2020Cl.8,IEC62053- 22:2020Cl.8,IEC62053- 23:2020Cl.8,IEC62053- 24:2020 Cl.8,IS14697Cl.12.6.2: 2021
981	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Continuous abnormal dc.magnetic Induction of external Origin (200/270mTesla)	IS14697:1999A.1to4 Cl.12.10 (Withdrawn),CBIP-325:2015 Cl.5.6.2.2,IS16444(Part2):2017 A.1Cl.6.12,IS14697,Cl.12.10::: 2021
982	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Damp heat cyclic test	IS14697:1999A.1to 4Cl.12.6.3(Withdrawn),CBIP-32 5:2015Cl.5.3.3,IS16444 (Part2):2017A.1IEC62052- 11:2020Cl.8.3.5,IEC62053- 21:2020Cl.8,IEC62053- 22:2020Cl.8,IEC62053- 23:2020Cl.8,IEC62053- 24:2020 Cl.8,IS14697,Cl.12.6.3: 2021
983	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Fast transient burst test	IS14697:1999 A.1to4Cl.12.8.4(Withdrawn),CB IP-325:2015Cl.5.5.3,IS16444(P art2) :2017A.1Cl.6.11,IEC62052-11:2 020Cl.9.3.6,IEC62053- 21:2020Cl.7.10,IEC62053- 22:2020Cl.7.10,IEC62053- 24:2020Cl.7.10,IS14697Cl.12.8 .4: 2021
984	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Frequency variation	IS14697:1999A.1to4 Cl.12.10(Withdrawn),CBIP-325: 2015 Cl.5.4.6.3,IS16444(Part 2):2017A.1Cl.6.12,IS14697:202 1Cl.12,IEC62052-11:2020,IEC6 2053-21:2020,IEC62053-22:20 20,IEC62053-24,Cl.7.10: 2020



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985	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	General and constructional requirements: General,Metercase,Window,Terminals,TerminalBlock and Protective earth Terminal, Terminal Cover,Clearances and Creepage distances, Insulating encased meter,Display of measured values,Output Device	IS14697:1999A.1to4Cl.6.0 (Withdrawn),CBIP 325:2015 Cl.4.2.2,IS16444(Part 2):2017 A.1 &2Cl.6.0,IEC62052-11:2020Cl.5.0,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24:2020,IS14697,Cl.6.0: 2021
986	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Influence of heating	IS14697:1999 A.1to 4Cl.12.7.5(Withdrawn),CBIP 325:2015 Cl.5.4.5,IS16444 (Part2):2017 A.1 Cl.6.10.5,IEC62052-31:2015Cl.10.4,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:2020,IS14697 ,Cl.12.7.5: 2021
987	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Influence of self heating	IS14697:1999 A.1to 4Cl.12.7.4(Withdrawn),CBIP-325:2015Cl.5.4.4,IS16444(Part2): 2017A.1Cl.6.10.4,IEC62052-11: 2020Cl.9.4.11,IEC62053-21,IEC 62053-22, IEC62053-24:2020Cl.7.10,IS14 697Cl.12.7.4 : 2021
988	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Influence of Supply Voltage	IS14697:1999A.1to4 Cl.12.7.2(Withdrawn),CBIP-325: 2015,IS16444(Part2) :2017A.1Cl.6.10.2,IEC62052-11 :2020Cl.9.3.2,IEC62053-21:2020 Cl.7.10,IEC62053-22:2020,Cl.7.10,IEC62053-24:2020 Cl.7.10,IS14697,Cl.12.7.2: 2021
989	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	limits of error and Interpretation of test Results	IS14697:1999A.1to4 Cl.12.15(Withdrawn),CBIP-325: 2015, IS16444(Part 2):2017A.1Cl.6.12,IS14697:2021 Cl.12.15,IEC62052-11:2020,IE C62053-21:2020,IEC62053-22: 2020,IEC62053-24: 2020



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990	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Magnetic induction of external origin(0.5T)	IS14697:1999A.1to4 Cl.12.10 (Withdrawn),CBIP- 325:2015 Cl.5.6.2.3,IS16444(Part2):2017 A.1Cl.6.12,IS14697:2021Cl.12.10,IEC62052-11:2020,Cl.9.3.12 ,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24: 2020
991	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Operation of An Accessories	IS14697:1999A.1to4 Cl.11.2(Withdrawn),CBIP-325:2015 Cl.4.6.2,IS16444 (Part 2):2017Cl.6.12, IEC62052-11,2020,IEC62053-21:2020Clause. 8.2, IEC 62053-22:2020,IEC62053-24:2020,IS14697: 2021
992	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Phase of auxiliary Supply changed by 120A°	IS14697:1999A.1to4Cl.12.10(Withdrawn),IS16444 (Part 2) A.1:2017Cl.6.12, IS14697Cl.12.10.; 2021
993	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Power Consumption	IS14697:1999A.1to4Cl.12.7.1(3 25:2015 Cl 5.4.1,IS16444(Part2) :2017A.1Cl.6.10.1,IEC62052-11 :2020Cl.4.4,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24:2020Cl.4 .4,IS14697Cl.12.7.1: 2021
994	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Protection against penetration of Dust and Water	IS14697:1999 A.1to4Cl.12.5(Withdrawn),CBIP-325:2015Cl. 5.2.5,IS16444 (Part 2):2017A.1 Cl.6.5,IEC62052-31,2015Cl.11,I EC62052- 11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24:2020,IS14697,Cl.12.5:: 2021
995	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Reversed phase sequence	IS14697:1999A.1to4 Cl.12.10(Withdrawn),CBIP-325: 2015 Cl.4.6.3,IS16444(Part2):2017A.1Cl.6.12, ,IS14697:2021 Cl.12.10,IEC62052-11:2020,Cl. 9.4.7,IEC62053-21:2020,IEC62053-22:2020,IEC 62053-24,Cl.7.10,:: 2020



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996	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Short time over current Test	IS14697:1999A.1to4 Cl.12.7.3(Withdrawn),CBIP-325:2015Cl.5.4.3,IS16444(Part)IEC62052-11:2020Cl.9.4.10,IEC62053-21,IEC62053-22, IEC62053-24:2020Cl.7.10,IS14697Cl.12 IS14697:1999A.1to4 Cl.12.7.3(Withdrawn),CBIP-325:2015Cl.5.4.3,IS16444(Part)IEC62052-11:2020Cl.9.4.10,IEC62053-21,IEC62053-22, IEC62053-24:2020Cl.7.10,IS14697Cl.12:2021
997	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Spring Hammer Test/ mechanical test of meter case	IS14697:1999 A.1to 4Cl.12.3.3(Withdrawn),CBIP-325:2015Cl.5.2.1,IEC62052-31:2015Cl.8.2,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24:2020,IS14697,Cl.12.3.3:2021
998	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Stray d.c.magnetic induction of external origin 67mT	IS14697:1999A.1to4 Cl.12.10(Withdrawn),CBIP-325:2015 Cl.5.6.2.2,IS16444(Part2):2017 A.1Cl.6.12,IS14697,Cl.12.10:2021
999	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Surge immunity test	IS16444(Part2):2017A.1Cl.6.11,IS14697Cl.12 11:2020Cl.9.3.9,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:2020,IEC62052-31:2015
1000	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Test of immunity to earth/phase fault	IS14697:1999 A.1to 4Cl.12.17(Withdrawn), CBIP-325:2015, IS16444(Part2):2017 A.1 Cl.6.10.7,IEC62052-11:2020Cl.9.4.13,IEC62053-21:2020Cl.7.10,IEC62053-22:2020Cl.7.10,IEC62053-24:2020 Cl.7.10,IS14697,Cl.12.17:2021
1001	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and 0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and 1.0S	Test of Immunity to electromagnetic HF/RF Fields.	IS14697:1999A.1to4 Cl.12.8.3(Withdrawn),CBIP-325:2015,IS16444 (Part2):2017A.1Cl.6.11,IS14697Cl.12.8.3:::2021



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LABORATORY, PLOT 3A, INSTITUTIONAL AREA, SECTOR-62, GAUTAM
BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1002	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Test of resistance to Heat & fire	IS14697:1999A.1to4 Cl.12.4(Withdrawn),CBIP-325:2015 Cl.5.2.4, IS16444(Part 2):2017A.1Cl.6.5,IEC62052-31:2015Cl.9.3.2.1,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:2020,IS14697Cl.12.4,:: 2021
1003	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Test of starting condition	IS14697:1999A.1to4 Cl.12.13(Withdrawn),CBIP-325:2015 Cl.5.4.6.5, IS16444(Part 2):2017A.1Cl.6.12,IS14697:2021Cl.12.13,IEC62011:2020,IEC62053-21:2020, IEC62053-22:2020, IEC62053-24,CL.7.7: 2020
1004	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Voltage unbalance	IS14697:1999A.1to4 Cl.12.10(Withdrawn),CBIP-325:2015 Cl.4.6.3,IS16444(Part2):2017A.1Cl.6.12,IS14697:2021Cl.12.10 ,IEC62052-11:2020Cl.9.4.5,IEC 62053-21:2020,IEC62053-22:2020, IEC62053-24,Cl.7.10: 2020
1005	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Voltage variation	IS14697:1999A.1to4Cl.12 (Withdrawn),CBIP-325:2015,IS16444(Part2):2017A.1Cl.6.12, ,IS14697:2021 Cl.12,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24,Cl.7.10: 2020
1006	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Wave form 10% of 3rd harmonic in the current	IS14697:1999A.1to4 Cl.12.10 (Withdrawn),CBIP- 325:2015 Cl.4.6.3,IS16444(Part2):2017A.1Cl.6.12,,IS14697,Cl.12.10: 2021



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1007	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	AC voltage test	IS14697:1999A.1to4 Cl.12.7.6.3 (Withdrawn), CBIP-325:2015 Cl.5.4.6.3,IS16444(Part 2):2017A.1Cl.6.10.6,IS14697:2021Cl.12.7.6.2, IEC62052-31:2015Cl.6.10.3.3,I EC62052-11:2020,IEC62053-21:2020IEC 62053-22:2020,IEC62053-24:2020
1008	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Dry heat test	IS14697:1999 A.1to4,Cl.12.6.1(Withdrawn),CBIP-325:2015,Cl.6.9,IS16444 (Part 2):2017 A.1Cl.6.9,IEC62052-11:2020Cl.8.3.3,IEC62053-21:2020Cl.8 IEC62053-22:2020Cl.8,IEC62053-24:2020 Cl.8,IS14697,Cl.12.6.1: 2021
1009	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Electrostatic Discharge Test	IS14697, 1999,A.1to4, Cl.12.8.2(Withdrawn),CBIP-325:2015Cl.5.5.2,IS16444(Part 2)A.1 Cl.6.11,IEC62052-11:2020Cl.9.3.3,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24:2020,IS14697,Cl.12.8.2: 2021
1010	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Insulation test	IS14697:1999A.1to4 Cl.12.7.6.4 (Withdrawn), CBIP-325:2015 Cl.5.4.6.4,IS16444(Part 2):2017A.1Cl.6.10.6,IS13779:2020Cl.12.7.6.4, IS14697Cl.12.7.6.4: 2021
1011	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Marking of meters Name Plate Connection diagrams and terminal Marking	IS14697:1999A.1 to4Cl.7.0(Withdrawn),CBIP:325:2015Cl.4.2.2.11 ,IS16444(Part2):201Cl.6.8, IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24:2020,IS14697Cl.7.0: 2021
1012	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Radio Interference Measurement -Conducted emission-(0.15MHzto30MHz)	IS14697:1999A.1to4Cl.12.8.5(CBIP -325:2015Cl.5.5.5, IS16444(Par 2)A.1Cl.6.11,IS14697Cl.12.8.6: 2021



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1013	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Test of Initial start-up of meter and Test of no Load condition	IS14697:1999A.1to4 Cl.12.12(Withdrawn),CBIP-325:2015 Cl.5.6.4,IS16444(Part2):2017A.1Cl.6.12,IS14697:2021Cl.12.12,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-24,Cl.7.6: 2020
1014	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-Hour Meters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and1.0S	Test on limits of error	IS14697:1999A.1to4 Cl.11.1 (Withdrawn),CBIP-325:2015Cl.5.4.6.8, IS16444(Part 2):2017A.1Cl.6.12,IS14697:2021Cl.11.1,IEC620511:2020,IEC62053-21:2020,IEC62053-23:2020, IEC62053-24,Cl.7.9: 2020
1015	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer operated Watthourand VAR-HourMeters, Class 0.2 and0.5; AC.Static Transformer operated Watthour and VAR- hour Smart Meter Class 0.2S,0.5S and1.0S	Impulse voltage test	IS14697:1999A.1to4 Cl.12.7.6.2 (Withdrawn), CBIP-325:2015 Cl.5.4.6.2,IS16444(Part2):2017A.1Cl.6.10.6,IS14697:2021,Cl.12.7.6.2,IEC62052-31:2015Cl.6.10.3.3,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24: 2020
1016	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2;AC.Static Direct Connected Watthour Smart Meter Class1and2;	Marking of meters Name Plate Connection diagrams and terminal Marking	IS13779:1999A.1to5Cl.7.0(Withdrawn),CBIP:325:2015Cl.4.2.2.11,IS16444(Part1):2016.8,IS13779:2020Cl.6.0,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24: 2020
1017	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2	Electro static Discharge Test	IS13779:1999 A.1to5Cl.12.9.2(Withdrawn),CBIPâ€“325:2015Cl.5.5.2,IS13779:2021Cl.12.9.2,IEC62052-11:2020Cl.9.3.3,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24: 2020



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1018	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2	Fast transient burst test	IS13779:1999A.1to5Cl.12.9.4(,CBIP-325:2015Cl.5.5.3,IS13779:2020Cl.12.9.11:2020 Cl.9.3.6,IEC62053-21:2020Cl.7.10,IEC62053-22:2020Cl.7.10,IEC62053-23:2020Cl.7.10,IEC62053-24:2020Cl.7.10: 2020
1019	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1and 2	Influence of self heating	IS13779:1999A.1to5Cl.12.7.4(Withdrawn),CBIP-325:2015Cl.5.4.4,IS13779:2021:2020Cl.9.4.11,IEC62053-21,IEC62053-22, IEC62053-23,IEC62053-24:2020Cl.7.10: 2020
1020	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2;	Influence of heating	IS13779:1999A.1to5Cl.12.7.5(Withdrawn),CBIP-325:2015Cl.5.4.5, ,IS13779:2020Cl.12.7.5,IEC62052-31:2015Cl.10.4,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24: 2020
1021	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2;	Short time over current Test	IS13779:1999A.1to5Cl.12.7.3(CBIP-325:2015Cl.5.4.3, ,IS13779:2020Cl.12.7.3,IEC62052-11:2020Cl.9.4.10,IEC62053-21,IEC62053-22, IEC62053- 23, IEC62053- 24:2020Cl.7.10: 2020
1022	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Transformer operated Watthour and VAR-Hour Meters, Class 0.2 and 0.5; A Cdirect connected Static prepayment Meters for Active Energy Class 1 and 2 AC.Static Direct Connected Watthour Smart Meter Class 1 and 2;AC. Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2 S,0.5S and 1 .0 S	Voltage variation	IS13779:1999 A.1to5Cl.12.11(Withdrawn),CBIP-325 :2015Cl.4.6.3, IS16444(Part 1):2015 A.1&2Cl.6.12,IS13779:2020Cl.1 2.11, IEC62052-11:2020,IEC62053-2 1:2020,IEC62053-22:2020,IEC6 2053-23:2020,IEC62053-24,Cl. 7.10:: 2020
1023	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2;AC Static Transformer operated Watthour and VAR-Hour Meters,Class 0.2 and 0.5;A Cdirect connected Static prepayment Meters for Active Energy Class 1 and 2;AC.Static Direct Connected Watthour Smart Meter Class1 and 2;AC. Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S	Continuous magnetic induction of external origin	IEC62055 -31:2005Cl.7.7,IEC62052-11:2020,Cl.9.3.12,IEC62053-21:2020,IEC62053-22:2020,IEC62053 23:2020,IEC62053-24::: 2020



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1024	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Transformer operated Watthour and VAR-Hour Meters, Class 0.2 and 0.5; AC Direct connected Static prepayment Meters for Active Energy Class 1 and 2; AC Static Direct connected Watthour Smart Meter Class 1 and .Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S, 0.5S and 1.0S	Odd harmonics in ac current circuit	IEC62055 -31:2005, Cl.4.6.2 IEC62052-11, 2020, Cl.9.4.2.4 IEC62053-21, 2020, Cl.7.10 IEC62053-22, 2020, Cl.7.10 IEC62053-23, 2020, Cl.7.10 IEC62053-24, Cl.7.10: 2020
1025	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Transformer operated Watthour and VAR-Hour Meters, Class 0.2 and 0.5; AC Direct connected Static prepayment Meters for Active Energy Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2; AC Static Transformer operated Watthour and VAR-hour Smart Meter Class 2S, 0.5 and 1.0S	Harmonic component in current and voltage	IEC62055 -31:2005, Cl.4.6.2 IEC62052-11, 2020, Cl.9.4.2.3 IEC62053-21, 2020, Cl.7.10 IEC62053-22, 2020, Cl.7.10 IEC62053-23, 2020, Cl.7.10 IEC62053-24, Cl.7.10: 2020
1026	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Coldt est	IS13779:1999 A.1 to 5 Cl.12.6.2 (Withdrawn), CBIP-325:2015 Cl.5.3.2, IS16444 (Part 1): 2015 A.1, 2 Cl.6.9, IS13779:2020 Cl.12.6.2 IEC62052-11:2020 Cl.8.3.4, IEC62053-21:2020 Cl.8, IEC62053-22:2020 Cl.8, IEC62053-23:2020 Cl.8, IEC62053-24:2020 Cl.8: 2020
1027	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	AC voltage test	IS13779:1999 A.1 to 5 Cl.12.7.6.3 (Withdrawn), CBIP-325:2015 Cl.5.4.6.3 IS16444 (Part 1): 2015 A.1 & 2 Cl.6.10.6, IS13779:2020 Cl.12.7.6.2, IEC62052-31:2015 Cl.6.10.3.3, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020
1028	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Insulation test	IS13779:1999 A.1 to 5 Cl.12.7.6.4 (Withdrawn), CBIP-325:2015 Cl.5.4.6.4, Cl.7.7, IS16444 (Part 1): 2015 A.1 & 2 Cl.6.10.6, IS13779:2020 Cl.12.7.6.4, 2020



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1029	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Protection against penetration of dust and water	IS13779:1999 A.1 to 5 Cl.12.5 (Withdrawn), CBIP-325:2015 Cl. 5.2.5, IS16444 (Part 1):2015 A.1 & 2 Cl.6.5, IS13779:2020 Cl.12.5, IEC62052-31:2015 Cl.11, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24:2020
1030	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Wave form 10% of 3rd harmonic in the current	IS13779:1999 A.1 to 5 Cl.12.11 (Withdrawn), CBIP-325:2015 Cl.4.6.3, IS16444 (Part 1):2015 A.1 & 2 Cl.6.12, IS13779:2020 Cl.12.11:2020
1031	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2; AC Static Transformer operated Watthour	Continuous abnormal dc magnetic Induction of external Origin (200/270 mTesla)	IS13779:1999 A.1 to 5 Cl.12.11 (Withdrawn), CBIP-325:2015 Cl.5.6.2.2, IS16444 (Part 1):2015 A.1 & 2 Cl.6.12, IS13779:2020 Cl.12.11:2020
1032	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of immunity to earth/phase fault	IS13779:1999 A.1 to 5 Cl.12.8 (Withdrawn), CBIP-325:2015 Cl.5.6.9, IS16444 (Part 1):2015 A.2 Cl.6.10.7, IS13779:2020 Cl.12.8, IEC62052-11:2020 Cl.9.4.13, IEC62053-21:2020 Cl.7.10, IEC62053-22:2020 Cl.7.10, IEC62053-23:2020 Cl.7.10, IEC62053-24:2020 Cl.7.10:2020
1033	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of repeatability Of Error	IS13779:1999 A.1 to 5 Cl.12.17 (Withdrawn), CBIP-325:2015 Cl.5.6.9, IS16444 (Part 1):2015 A.1 & 2 IS13779:2020 Cl.12.17, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24:2020 Cl.7.8:2020
1034	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; Meters for Active Energy Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Meter constant	IS13779:1999 A.1 to 5 Cl.12.15 (Withdrawn), CBIP-325:2015 Cl.5.4.6.6, IS16444 (Part 1):2015 A.1 & 2 IS13779:2020 Cl.12.15, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24:2020 Cl.7.4:2020



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1035	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and2;AC.Static Direct Connected Watthour Smart Meter Class 1and2	Dry heat test	IS13779:1999A.1to5 Cl.12.6.1(Withdrawn),CBIP-325:2015Cl.5.3.1,IS16444 (Part 1):2015 A.1&2Cl.6.9,IS13779:2020 Cl.12.6.1IEC62052-11:2020Cl.8.3.3,IEC62053-21:2020Cl.8 IEC62053-22:2020Cl.8,IEC62053-23:2020Cl.8,IEC62053-24:2020Cl.8,:: 2020
1036	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class1 and 2,AC.Static Direct Connected Watthour Smart Meter Class1and2	Vibration test (Sine and random)	IS13779:1999 A.1to5 Cl.12.3.2(Withdrawn),IS16444 (Part1):2015A.1&2Cl.6.5, IS13779:2020Cl.12.3.2,IEC62052-11:2020Cl.5.2.1,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24: 2020
1037	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class1 and 2;AC. Static Direct Connected Watthour Smart Meter Class 1and2;	Impulse Voltage	IS13779:1999 A.1to5 Cl.12.7.6.2 (Withdrawn), CBIP-325:2015 Cl.5.4.6.2,IS16444(Part 1):2015 A.1&2Cl.6.10.6,IS13779:2020Cl.12.7.6.2, IEC62052-31:2015Cl.6.10.3.3,I EC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:2020
1038	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour MeterClass 1 and 2;AC. Static Direct Connected Watthour Smart Meter Class 1 and2;	Test of starting condition	IS13779:1999 A.1to5 Cl.12.14(Withdrawn),CBIP-325:2015Cl.5.4.6.5, IS16444(Part 1):2015 A.1&2Cl.6.12,IS13779:2020Cl.12.14, IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24,CL.7.7: 2020
1039	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour MeterClass 1 and 2;AC. Static Direct Connected Watthour Smart Meter Class1and2;	Damp heat cyclic test	IS13779:1999 A.1to5 Cl.12.6.3(Withdrawn),CBIP-325:2015,IS16444(Part1): 2015 A.1&2Cl.6.9,IS13779:2020Cl.12.6.3,IEC6211:2020 Cl.8.3.5,IEC62053-21:2020Cl.8,IEC62053-22:2020Cl.8,IEC62053-23:2020Cl.8,IEC62053-24:2020



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1040	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC. Static Direct Connected Watthour Smart Meter Class 1 and 2;	General and constructional requirements: General, Meter case, Window, Terminals, Terminal Block and Protective earth Terminal, Terminal Cover, Clearances and Creepage distances, Insulating encased meter, Display of measured values, Output Device,	IS13779:1999 A.1 to 5 Cl. 6.0 (Withdrawn), CBIP-325:2015 Cl. 4.2.2, IS16444 (Part 1): 2015 A.1 & 2 Cl. 6.0, IS13779:2020 Cl. 6.0, IEC62052-11:2020 Cl. 5.0, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020
1041	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC. Static Direct Connected Watthour Smart Meter Class 1 and 2;	Ambient temp influence	IS13779:1999 A.1 to 5 Cl. 12.12 (Withdrawn), CBIP-325:2015 Cl. 5.6.3, IS16444 (Part 1): 2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.12, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24, Cl. 7.10: 2020
1042	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC. Static Direct Connected Watthour Smart Meter Class 1 and 2;	Voltage unbalance	IS13779:1999 A.1 to 5 Cl. 12.11 (Withdrawn), CBIP-325:2015, IS16444 (Part 1): 2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.11, IEC62052-11:2020 Cl. 9.4.5, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24, Cl. 7.10: 2020
1043	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC. Static Direct Connected Watthour Smart Meter Class 1 and 2;	Frequency variation	IS13779:1999 A.1 to 5 Cl. 12.11 (Withdrawn), CBIP-325:2015 Cl. 5.4.6.3, IS16444 (Part 1): 2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.11, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24, Cl. 7.10: 2020
1044	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC. Static Direct Connected Watthour Smart Meter Class 1 and 2	Operation Of an Accessories	IS13779:1999 A.1 to 5 Cl. 12.11 (Withdrawn), CBIP-325:2015 Cl. 4.6.2, IS16444 (Part 1): 2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.11, IEC62052-11, 2020, IEC 62053-21:2020 Clause. 8.2 IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020



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1045	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Power Consumption	IS13779:1999 A.1 to 5 Cl. 12.7.1 (Withdrawn), CBIP-325:2015 Cl. 5.4.1, IS16444 (Part 1):2015 A.1 & 2 Cl. 6.10.1, IS13779:2020 Cl. 12.11:2020 Cl. 4.4, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24:2020 Cl. 4.4: 2020
1046	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Radio Interference Measurement-Conducted emission-(0.15MHz to 30MHz)	IS13779:1999 A.1 to 5 Cl. 12.9 (W CBIP -325:2015 Cl. 5.5.5, IS16444 (Part 1):2015 A.1 & 2 Cl. 6.11, IS13779:2020 Cl. 12.9.6: 2020
1047	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2;	Magnetic induction of external origin (0.5mT)	IS13779:1999 A.1 to 5 Cl. 12.11 (Withdrawn), CBIP-325:2015 Cl. 5.6.2.3, IS16444 (Part 1):2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.11, IEC62052-11:2020, Cl. 9.3.12, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020
1048	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2;	Shock test	IS13779:1999 A.1 to 5 Cl. 12.3.1 (Withdrawn), CBIP-325:2015 Cl. 5.2.2, IS16444 (Part 1):2015 A.1 and 2 Cl. 6.5, IS13779:2020 Cl. 12.3.1, IEC62052-11:2020 Cl. 5.2.2, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020
1049	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Abnormal a.c magnetic induction of external Origin (10mTesla)	IS13779:1999 A.1 to 5 Cl. 12.11 (Withdrawn), CBIP-325:2015 Cl. 5.6.2.4, (Part 1):2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.11: 2020
1050	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2;	DC & even harmonics in current circuit	IS13779:1999 A.1 to 5 Cl. 12.11 (Withdrawn), CBIP-325:2015 Cl. 4.6.3, IS16444 (Part 1):2015 A.1 & 2 Cl. 6.12, IS13779:2020 Cl. 12.11, IEC62052-11:2020, Cl. 9.4.2.5, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24, Cl. 7.10: 2020



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1051	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2;	Reversed phase sequence	IS13779:1999 A.1 to 5CI.12.11 (Withdrawn), CBIP-325:2015 CI.4.6.3, IS16444 (Part 1):2015 A.1 & 2CI.6.12, IS13779:2020 CI.12.11, IEC62052-11:2020, CI.9.4.7, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24, CI.7.10: 2020
1052	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error	IS13779:1999 A.1 to 5CI.11.1 (Withdrawn), CBIP-325:2015 CI.5.4.6.8, IS16444 (Part 1):2015 A.1 & 2CI.6.12, IS13779:2020 CI.11.1, CI.8.0 IEC62052-11:2020, IEC62053-21:2020, IEC62053-23:2020, IEC62053-24: 2020
1053	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error & Interpretation of test Results	IS13779:1999 A.1 to 5CI.12.16 (Withdrawn), CBIP-325:2015 CI.5.6.7, IS16444 (Part 1):2015 A.1 & 2CI.6.12, IS13779:2020 CI.12.16, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020
1054	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Transformer operated Watthour and VAR-Hour Meters, Class 0.2 and 0.5	Verification of anti-tamper features	CBIP R. Publication:325, 2015 CI.6.7 IS14697, 1999 A.1 to 4 (withdrawn): 2021
1055	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S	Abnormal a.c magnetic induction of external origin (0.2T)	CBIP manual 304:: : 2008
1056	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meter Class 1 and 2; AC Static Direct Connected Watthour Smart Meter Class 1 and 2;	Spring Hammer Test/mechanical test of meter case	IS13779:1999 A.1 to 5CI.12.3.3 (Withdrawn), CBIP-325:2015 CI.5.2.1, IS16444 (Part 1):2015 A.1 & 2CI.6.5, IS13779:2020 CI.12.3.3, IEC62052-31:2015 CI.8.2, IEC62052-11:2020, IEC62053-21:2020, IEC62053-22:2020, IEC62053-23:2020, IEC62053-24: 2020



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1057	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static WatthourMeterClass 1 and 2;AC.Static Direct Connected Watthour Smart Meter Class 1and 2;	Test of resistance to Heat & fire	IS13779:1999 A.1to 5Cl.12.4(Withdrawn),CBIP -325:2015 Cl.5.2.4, IS16444(Part 1): 2015A.1&2Cl.6.5,IS13779:2020 Cl.12.4,IEC62052-31:2015Cl.9.3.2.1,IEC62052-11:2020,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:: 2020
1058	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static WatthourMeterClass 1 and 2;AC.Static DirectConnected WatthourSmart MeterClass1and2	Test o Initial start-up of meter and Test of no load condition	IS13779:1999 A.1to 5Cl.12.13(Withdrawn),CBIP-325 :2015Cl.5.6.4,Cl.8.0, IS16444(Part 1) :2015A.1&2Cl.6.12,IS13779:20 20Cl.12.13,IEC62052-11:2020,I EEC62053-21:2020,IEC62053-22 :2020,IEC62053-23:2020,IEC62 053-24,Cl.7.6::: 2020
1059	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static WatthourMeterClass 1 and 2;AC.Static DirectConnected WatthourSmartMeterClass1and2	Stray d.c. magnetic induction of external origin 67mT	IS13779:1999A.1to5Cl.Cl 12.11(Withdrawn), CBIP-325:2015Cl.5.6.2.2, IS16444(Part 1):2015A.1&2Cl.6.12,IS13779:2 020 Cl.12.11: 2020
1060	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static WatthourMeterClass 1 and 2;ACStaticTransformeroperatedWatthourand VAR-HourMeters, Class 0.2 and 0.5;ACdirect connected Staticprepayment Meters for ActiveEnergyClass1and2	Test of Accuracy of Crystal controlled clock with temperature	IS15884, 2010, Clause D-3.2.3IEC62055-31,2005, ClauseD-4.3.3: 2005
1061	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Direct Connected Watthour Smart Meter Class1and2	Smart meter Functional Requirement	IS16444(Part1):2015A.1and2Cl. 11.0: 2015
1062	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Direct Connected Watthour Smart Meter Class1and2	Test for Smart Meter Communicability (Equipment Type Approval (ETA) of modules for WAN/NAN/HD shall be approved by designated agency authorized by DoT	IS16444 (Part 1): 2015 A.1and2Cl.10.6.2IS15959(Part 1):2011(RA:2016)withAmendm entNo. 1 July 2014, Amendment No. 2March2015,AmendmentNo.3 January 2016, Amendment No.4April,2017 andAmendment No. 5 Feb.2021IS15959(Part2):2016 withA.1, April 2017,A.2,May : 2017



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1063	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Direct Connected Watthour Smart Meter Class1and2;	Test for Data Exchange Protocol	IS16444(Part1):2015A.1,2Cl.10.5IS15959 (Part1) 2011(RA:2016)withAm.1July2014, Am. 2 March 2015, Am. 3January 2016 and Am. 4April,2017.AmendmentNo.5Feb.2021IS15959(Part2): 2016 withAm.1and 2,April 2017: 2016
1064	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Direct ConnectedWatthour Smart Meter Class 1and2;	Test for Smart Meter Communicability	IS16444(Part1):2015A.1and2Cl. 10.6.2: 2015
1065	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Transformer operated Watthour andVAR“ hour Smart Meter Class0.2S,0.5S and1.0S	Test for smart meter communicability	IS16444(Part2),A.1,Cl.9.5.2: 2017
1066	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Transformer operated Watthour and VAR-hour Smart Meter Class 0.2S,0.5S and 1.0S	Smart meter Functional Requirement	IS16444 (Part 2),2017A.1,Cl.10.0:: 2017
1067	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Transformer operated Watthour andVAR-hour Smart Meter Class0.2S,0.5S and1.0S	Test for Data Exchange Protocol	IS16444 (Part 2) : 2016A.1Cl.9.4IS15959(Part1): 2011(RA:2016)withAm.1July2014, Am. 2 March 2015, Am. 3January 2016 and Am. 4April,2017.AmendmentNo.5Feb.2021 IS15959 (Part 3):: 2017
1068	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC.Static Transformer operated WatthourandVAR-hour Smart Meter Class 0.2S, 0.5S and 1.0S	Test for Smart MeterCommunicability(Equipment Type Approval (ETA) ofmodules for AN/NAN/HDshall be approved by designated agency authorized by DoT	IS16444 (Part 2) : 2016A.1Cl.9.6.2IS15959(Part1) : 2011(RA:2016) with Amendment No. 1July 2014, Amendment No. 2March 2015, Amendment No.3 January 2016, Amendment No.4April,2017 andAmendmentNo.5Feb.2021,IS15959(Part3): 2017
1069	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ACStaticTransformeroperatedWatthourand VAR-HourMeters, Class 0.2 and0.5;AC.Static TransformeroperatedWatthourandVAR- hour SmartMeterClass0.2S,0.5S and1.0S	Vibration test (Sine and random)	IS14697:1999A.1to 4,Cl.12.3.2(Withdrawn),CBIP&€ “325:2015 Cl.5.2.3,IS16444(Part2):2017A.1Cl.6.5,IEC62052-11:2020Cl.5.2.1,IEC62053-21:2020,IEC62053-22:2020,IEC62053-23:2020,IEC62053-24:2020,IS14697,Cl.12.3.2: 2021



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1070	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricit Meter-Smart Meter Category D3&D4	Compliance test:1.0Conformance toDLMS/COSEM (IEC62056)2.0 Parameter verification:3.0SNRM/UA4.0 Object list download5.0Association properties6.0Security:(a) Lowest Level Security Secret (b) Low Level Security(LLS)Secret(c)High Level Security (HLS)Secret Parameter list:7.0(a)Instantaneous Parameters7.0 (b) Snap Shot of Instantaneous Parameters7.0(c) ScalerProfile8.0 Block loadprofile parameters9.0 Selective access by Range for Block load profile10.0 Daily load profile	CINo4to28ofIS15959 (Part3): 2017
1071	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter-Smart Meter Category D1&D2	Compliance test :1.0 Conformance oDLMS/COSEM (IEC62056)2.0 Parameter verification: 3.0SNRM/UA4.0 Object list download5 .0Association properties6.0Security:(a) Lowest Level Security Secret (b) Low Level Security(LLS)Secret(c)High Level Security (HLS)Secret Parameter list:7.0(a)Instantaneous Parameters7.0 (b) Snap Shot of Instantaneous Parameters 7.0(c) Scaler Profile8.0 Block load profile parameters9.0 Selective access by Range for Block load profile10.0 Daily load profile	CINo4to24ofIS15959 (Part2): 2016
1072	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter	Conformance test	IS / IEC 62056 (DLMS /COSEM)-2005: 2005
1073	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter	Conformance test	IS15959(Part1):2011(RA:2016) /IS/IEC 62056 (DLMS /COSEM)-2005: 2015



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1074	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter-Smart Meter Category D1&D2	10.0 Daily load profile parameters 11.0 Selective access by Range for Daily load profile 12.0 ToU setting 13.0 Billing profile parameters 14.0 Billing Period 15.0 Billing Period Counter 16.0 Selective access by Entry for Billing profile	CINo4to24ofIS15959 (Part2): 2016
1075	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter-Smart Meter Category D1&D2	19.0 General Purpose parameters: a) Name Plate Details (b) Programmable Parameters 20.0 Test for Smart Meter functional Requirements 21.0 Tests for Smart Meter communicability (a) Association (b) Data read (c) Profile read (d) Selective Programmability (e) Reporting of events (f) Connect/Disconnect (g) Firmware upgrade	CINo4to24ofIS15959 (Part2): 2016
1076	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter-Smart Meter Category D3&D4	10.0 Daily load profile parameters 11.0 Selective access by Range for Daily load profile 12.0 ToU setting 13.0 Billing profile parameters 14.0 Billing Period 15.0 Billing Period Counter 16.0 Selective access by Entry for Billing profile	CINo4to28ofIS15959 (Part3)-2017:: 2017
1077	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter-Smart Meter Category D3&D4	17.0 Event code and Event logging : (a) Indian Event Reference Table (b) Voltage Related (c) Current Related (d) Indian Event Reference Table (e) Power Related (f) Indian Event Reference Table (g) Transaction Related (h) Indian Event Reference Table (i) Other (j) Indian Event Reference Table (k) Non Roll Over 18.0 Selective access by Entry for Event Log Profile	CINo4to28ofIS15959 (Part3): 2017



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1078	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter-Smart Meter Category D3&D4	19.0 General Purpose parameters :(a) Name Plate Details(b)Programmable Parameters20.0 Tests for Smart Meter Functional Requirements 21.0Tests for smart Meter communicability a)Association(b) Data read(c)Profile read(d)Selective Programmability(e)Reporting of events (g)Firmware upgrade	CINo4to28ofIS15959 (Part3): 2017
1079	ELECTRICAL- EMI / EMC TEST FACILITY	Self ballasted LED Lamps for General Lightning Services	Test for conducted emissions of Radio frequency disturbances	Clause 5.0 of IS 16102 (Part-2): 2017, Amd 1:: 2020
1080	ELECTRICAL- EMI / EMC TEST FACILITY	Self ballasted LED Lamps for General Lightning Services	Test for Radiated emissions of Radio frequency disturbances	Clause 8.4 of IS 16102 (Part-2): 2017, Amd 1:: 2020
1081	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Determination of sound levels	IS:1180-(part-1) 2014,IS:2026-1 2011 (RA : 2016) IEC 60076-10:2016 IEEE Std C57.12.90™:: 2015
1082	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Dielectric tests	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IEC:60076-2:2011 IEC:60076-3:2013-07 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021: : 2015, IS: 2026 (Part-3), 2018, IS:1180 (Part-3): 2021, IS 2026(Part-2): 2011
1083	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Induced over voltage test	IS:2026-1:2011 (RA : 2016) IS:2026-3:2018 IEC:60076-1:2011 IEC:60076-3:2013 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021: 2015
1084	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of impedance voltage/short circuit Impedance (principal tapping) and load loss	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021: : 2015
1085	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of impedance voltage/short circuit Impedance (principal tapping) and load loss	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IEC:60076-2:2011 IEC:60076-3:2013-07 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021: : 2015



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1086	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of insulation resistance	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IEC:60076-2:2011 IEC:60076-3:2013-07 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021:: : 2015
1087	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of no-load loss and current	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IEC:60076-2:2011 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021:: : 2015
1088	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of voltage ratio and check of voltage vector relationship. (Phase displacement)	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IEC:60076-2:2011 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021: 2015
1089	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of winding resistance	IS:2026-1:2011 (RA : 2016) IEC:60076-1:2011 IEC:60076-2:2011 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) IS:12021:: : 2015
1090	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Oil leakage test	IS:1180-1: 2014 IEC:60076-1: : 2011
1091	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Pressure test	IS:1180-1: 2014 IEC:60076-1: : 2011
1092	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Temperature rise test up to 1000KVA	IS:2026-1:2011 (RA : 2016) S:2026-2:2010 (RA 2015) IEC:60076-1:2011 IEC:60076-2:2011 IS:1180-1: 2014 IS: 11171,1985 (RA 2016) S:12021:: : 2015
1093	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Zero Sequence impedance for three phase transformer.	IS: 2026 (Part-1), 2011; IEC 60076-1: 2011
1094	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	11 kV Horn gap fuse DO fuse, HG fuses & expulsion fuses	Temperature rise test up to 8.0 kA	IS:9385-2:2018 IEC 60282-2:2008 IS:9385-1 & 2 : 2018



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1095	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit breakers Switches Disconnectors Switch disconnector & fuse combination units Contactors & motor starters Control circuit devices & switching elements	Verification of Temperature rise up to 8.0 kA	IS/IEC 60947 part 1 2007 (RA-2017) & Part 2 -2003 (Ra-2017) & part 3 2012 (RA-2018) & Part 4-1:2012 (Ra-2018) IEC 60947 part 1 2014-09 & part 3 , IEC 60947-1-2014, IEC 60947-2-2016, IEC 60947-3: : 2015
1096	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformer - Measuring Current transformers Protective current transformers Protective CT - Special Purpose	Temperature Rise Test	IS 2705 : 1992(Part 1) RA 2017 IEC 61869-1:2007-10 IEC 61869-2:2012-09 IS 16227 (part 1) : 2016 & IS 16227-(part 2) ANSI/IEEE C57.13TM: : 2016
1097	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformer - Measuring Current transformers Protective current transformers Protective CT - Special Purpose	Temperature Rise Test	IS 2705 : 1992(Part 1,) RA 2017 IEC 61869-1:2007-10 IEC 61869-2:2012-09 IS 16227 (part 1) : 2016 & IS 16227-(part 2) ANSI/IEEE C57.13TM: : 2016
1098	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post and Similar Insulating Materials. Also Items Like Battery Containers, Rubber Mats, Rating from 1kV To 33kV (Inclusive).	Power Frequency puncture withstand voltage test	IS 731 2016, IS 2544 /2006, IS 1445/ 2009, IS 4318/ 2009, IEC 60383-1 1993, IEC 60383-2 1993,IEC: 61109-2008,IEC 61952-2008, ANSI C29.2/ 1992, C29.5: : 1984
1099	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core Rating from 1kV To 36kV (Inclusive).	Electro Mechanical Failing Load Test	IS 731 2016, IS 2544/ 2006, IEC 60383-1 1993,,IEC: 61109-2008,IEC 61952-2008, IEC 60168 1998 A2 2000, IEC 60433/: : 1998
1100	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core Ratings From 1kV To 36kV (Inclusive).	Electro Mechanical Failing Load Test	IS 731 2016, IS 2544 /2006, IEC 60383-1 1993,IEC: 61109-2008,IEC 61952-2008, IEC 60168 /1998 A2 2000, IEC 60433/: : 1998
1101	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid core/ Hollow insulator, insulator strings (All Types) Rating 3.6kV to 132kV (Inclusive)	Impulse flashover	IS 692/ 2010, IS 731 /2016, , IS 2544 /2006, IS 1445/ 2009, IS 2071/2016, IS 2099/2008, IS 4318/ 2009, IS 8269/2009, IS 9431/2009, IEC 60168/ A2 2000, IEC 60243-3/2013, IEC: 61109-2008,IEC 61952-2008, BS 159/1992, BSEN 171/2002, ANSI C29.1/1988, ANSI C29.2/1992, ANSI C29.3/1986, ANSI C29.4/1984, ANSI C29.5/1984, ANSI C29.6/1984, ANSI C29.7a/1986, ANSI C29.9: 1993



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1102	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/ Insulator Ratings of 1kV to 36kV	Mechanical Failing Load Test:	IS 731 2016, IS 2544 2006, IEC 60168 1998 A2 2000, IEC 60383-1 1993, IEC: 61109-2008, IEC 61952-2008 IEC 60433 : : 1988
1103	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings and Insulating Tubes etc., rated 3.6kV to 22 kV (inclusive).	Visible Discharge Test	IS 731/ 2016, IS 4318 /2009 IS 2071/ pt.1: 2016
1104	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings and Similar Insulating Materials. Ratings up To 132kV (Inclusive). A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit. Ratings up To 132 kV (Inclusive) P T/ C V T /Tap Changers/Grading Capacitors /R.V.T.S/ C.T - PT Units. Ratings up To 132kV (Inclusive). Current Transformers up To 132 kV rating(Inclusive) Power/Distribution Transformers Including Earthing Transformers Auto transformers etc. Up to and Inclusive of 1kVA to 50MVA Rating. 1kV to 132kV (Inclusive).	Impulse Voltage Withstand Test	IEC 60433 /1998, IEC 62271-203 /2011, IEC 62271-1 2017, IEC 62271-100 2021, IEC 62271-200 2021, IEC 62271-102 2018, IEC 62271-103 2011, IEC 62271-111 2012, IS 62271-1 2007, IS 62271-100 2008, IS 62271-200 2011, IS 62271-102 2011, IS 62271-103 2011, IEEE -4 /1995, BS 159 /1992, BS 223 /1985, BS ISO 2692/ 1988, BS 3297-2/1993, BS 3938/1973, BS 3941/ 1975, BS 6581/ 1995, BSEN 171 2002, IEC 60282-1 2009 A1 2014, ANSI C29.1/ 1988, ANSI C29.2/ 92, C29.3/86, C29.4/84, C29.5/84, C29.6/84, C29.7a/86, C29.: 2003
1105	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings and Similar Insulating Materials. Ratings up To 132kV (Inclusive). A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit. Ratings up To 132 kV (Inclusive) P T/ C V T /Tap Changers/Grading Capacitors /R.V.T.S/ C.T - PT Units. Ratings up To 132kV (Inclusive). Current Transformers up To 132 kV rating(Inclusive) Power/Distribution Transformers Including Earthing Transformers Auto transformers etc. Up to and Inclusive of 1kVA to 50MVA Rating. 1kV to 132kV (Inclusive).	Impulse Voltage Withstand Test	IS 13573/ 2008, IEC 61869-1/ 2007, IEC 60076-1/ 2011, IEC 60076-3 /2013 A1 2018, IEC 60099-4 /2014, IEC 62271-102 /2018, IEC 60137/ 2008, IEC 60168/ A2 2000, IEC 61689-2 /2012-09, IEC 61869-3/ 2011-07, IEC 61869-4 /2013, IEC 61869-5/2011-07, IEC 60214 /2014, IEC 60243-3/ 2001, IEC 265-2/1988, IEC 60282-1 /1988, IEC 60282-2/ 1997, IEC 60289/1988, IEC 62271-200/ 2011, IEC 60353 /1989 A1 2002, IEC 60358/ 2012, IEC 60383-1 /1993, IEC 60383-2/ 1993, IEC 61109/ 2012, IEC 62217/ 2012, RDSO SPEC 4318 : : 2007



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1106	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings and Similar Insulating Materials. Ratings up To 132kV (Inclusive). A. B. Switches / Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit. Ratings up To 132 kV (Inclusive) P T/ C V T /Tap Changers/Grading Capacitors /R.V.T.S/ C.T - PT Units. Ratings up To 132kV (Inclusive). Current Transformers up To 132 kV rating(Inclusive) Power/Distribution Transformers Including Earthing Transformers Auto transformers etc. Up to and Inclusive of 1kVA to 50MVA Rating. 1kV to 132kV (Inclusive).	Impulse voltage withstand/flashover test	IS 692/ 2010, IS 731/ 2016, IS 1180/ 2014, IS 2544 /2006, IS 1445/ 2009, IS 2026-3 /2009, IEC 76-3/ 2013, IS 2071/ 2016, IS 2099/ 2008, IS 2705-1-2-3 /2007, IS 13925 /2012 A1 2017, IS 3070-3/ 2009, IS 3151 /2016, IS 16227-2 /2016, IS 3427/ 2007, IS 4318 /2009, IS 5300/ 2009, IS 5424/ 2004, IS 5553-1-2-3-4-5 /2009, IS 7098-1-2-3 /2015/2014, IS 8084 /2017, IS 8269 /2009, IS 8468 /2016, IS 8792/ 2008, IS 8793/ 2008, IS 9147/ 2016,IS 9348/ 2008, IS 9385/ 2018, IS 9431 /2009, IS 10810 part 45 & 47/ 2: 2016
1107	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings Insulating Rod /Operating Rod upto 66kV (Inclusive) Repair Sleeves Rated Above 1kV to 66kV (Inclusive)	Power Frequency Voltage Flashover Test (Dry & Wet)	IS 692/ 2010, IS 731/ 2016, , IS 2544 /2006, IS 1445/ 2009, IS 2071 /2016, IS 2099/ 2008, IS 4318 /2009, IS 8269 / 2009,IS 9431/ 2009, IEC 60099-4 / 2014, , IS 5621/ 2004, IEC 60168 2001, IEC 60383-1/ 1993, IEC 60383-2/ 1993, IEC 61109 /2010, IEC 62217/ 2005, , IEC 60433 /1998, , ANSI C29.1/ 1988, ANSI C29.2/ 92, C29.3/86, C29.4/84, C29.5/84, C29.6/84, C29.7a/86, C29.9/83, IEEE -4 /1995, BS 1: : 2002
1108	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Also Items Like Battery Containers, Rubber Mats, Insulating Tubes Etc. Rated 3.6kV to 66kV (Inclusive). Insulating Rod /Operating Rod upto 66 kV (Inclusive). Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit, AB switches. Ratings up To 66kV (Inclusive). P T/ C V T /Tap Changers/Grading Capacitors/R.V.T.S/C.T - PT Units. Ratings up To 66kV (Inclusive). Power/Distribution Transformers Including Earthing Transformers Autotransformers etc. up to And Inclusive of 1kVA to 50MVA Rating. (1 kV to 66kV Inclusive). Lightning Arresters, Lightning arrester Housing Ratings above 1 kV to 66kV (Inclusive). Bushings /Repair Sleeves rated above 1kV To 66kV(Inclusive)	Power Frequency Voltage Withstand Test (Dry & Wet)	IEC 60433 /1998, IEC 62271-100 2008, IEC 62271-200 2011, IEC 62271-102 2018, IEC 62271-103 2011, IEC 62271-111 2012, IS 62271-1 2007, IS 62271-100 2008, IS 62271-200 2011, IS 62271-102 2011, IS 62271-103 2011, IEEE -4 /1995, BS 159 /1992, BS 223 /1985, BS ISO 2692/ 1988, BS 3297-2/1993,BS 3938/1973, BS 3941/ 1975, BS 6581/ 1995, BSEN 171 2002, IEC 60282-1 2009 A1 2014, ANSI C29.1/ 1988, ANSI C29.2/ 92, C29.3/86, C29.4/84, C29.5/84, C29.6/84, C29.7a/86, C29.9/83, NBR 5356-3/2003, IEC 62271-103/20: 2014



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1109	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Also Items Like Battery Containers, Rubber Mats, Insulating Tubes Etc. Rated 3.6kV to 66kV (Inclusive). Insulating Rod /Operating Rod upto 66 kV (Inclusive). Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit, AB switches. Ratings up To 66kV (Inclusive). P T/ C V T /Tap Changers/Grading Capacitors/R.V.T.S/C.T - PT Units. Ratings up To 66kV (Inclusive). Power/Distribution Transformers Including Earthing Transformers Autotransformers etc. up to And Inclusive of 1kVA to 50MVA Rating. (1 kV to 66kV Inclusive). Lightning Arresters, Lightning arrester Housing Ratings above 1 kV to 66kV (Inclusive). Bushings /Repair Sleeves rated above 1kV To 66kV(Inclusive)	Power Frequency Voltage Withstand Test (Dry & Wet)	IS 13573/ 2008, IEC 61869-1/ 2007, IEC 60076-1/ 2011, IEC 60076-3 /2013 A1 2018, IEC 60099-4 /2014, IEC 62271-102 /2018, IEC 60137/ 2017, IEC 60168/ A2 2000, IEC 61689-2 /2012-09, IEC 61869-3/ 2011-07, IEC 61869-4 /2013, IEC 61869-5/2011-07, IEC 60214 /2014, IEC 60243-3/ 2013, IEC 265-2/1988, IEC 60282-1 /1988, IEC 60282-2/ 1997,IEC 60289/1988, IEC 62271-200/ 2011, IEC 60353 /1989 A1 2002, IEC 60358/ 2012, IEC 60383-1 /1993, IEC 60383-2/ 1993, IEC 61109/ 2012, IEC 62217/ 2012, RDSO SPEC 4318 ::: 2007
1110	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Also Items Like Battery Containers, Rubber Mats, Insulating Tubes Etc. Rated 3.6kV to 66kV (Inclusive). Insulating Rod /Operating Rod upto 66 kV (Inclusive). Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit, AB switches. Ratings up To 66kV (Inclusive). P T/ C V T /Tap Changers/Grading Capacitors/R.V.T.S/C.T - PT Units. Ratings up To 66kV (Inclusive). Power/Distribution Transformers Including Earthing Transformers Autotransformers etc. up to And Inclusive of 1kVA to 50MVA Rating. (1 kV to 66kV Inclusive). Lightning Arresters, Lightning arrester Housing Ratings above 1 kV to 66kV (Inclusive). Bushings /Repair Sleeves rated above 1kV To 66kV(Inclusive)	Power Frequency Voltage Withstand Test(Dry & Wet)	IS 692/ 2010, IS 731/ 2016, IS 1180/ 2014, IS 2544 /2006, IS 1445/ 2009, IS 2026-3 /2009, IEC 76-3/ 2013, IS 2071/ 2016, IS 2099/ 2008, IS 2705-1-2-3 /2007, IS 13925 /2012 A1 2017, IS 3070-3/ 2009, IS 3151 /2016, IS 16227-2 /2016, IS 3427/ 2007, IS 4318 /2009, IS 5300/ 2009, IS 5424/ 2004, IS 5553-1-2-3-4-5 /2009, IS 7098-1-2-3 /2015/2014, IS 8084 /2017, IS 8269 /2009, IS 8468 /2016, IS 8792/ 2008, IS 8793/ 2008, IS 9147/ 2016, IS 9348/ 2008, IS 9385/ 2018, IS 9431 /2009, IS 10810 part 45 & 47/: 2016
1111	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Ratings upto 132kV (Inclusive).	Porosity test (on porcelain insulators)	IS 731/ 2016, IS 1445 /2009, IS 3070-3 /2009, IS 2544 /2006, IS 5300 /2009, IS 5621 /2009, IEC 60168 /1994, IEC 60305 /1995/ 2018, IEC 60383-1 /1993, IEC 60383-2 /1993, ANSI C29.1/1992, C29.2/1992, C29.3/ 1986, C29.4 /1989, C29.5 /1984, C29.6 /1984, C29.7a /1983, C29.9/: 1983



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1112	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Ratings upto 66 kV (Inclusive)	Galvanizing test(Uniformity of Zinc Coating)	IS 731/ 2016, IS 2633 1986,IS 1445 /2009, IS 3070-3 /2009, IS 2544 /2006, IS 5300 /2009, IS 5621 /2009, IEC 60168 /1994, IEC 60305 /1995/ 2018, IEC 60383-1 /1993, IEC 60383-2 /1993,,IEC: 61109-2008,IEC 61952-2008 ANSI C29.1/1992, C29.2/1992, C29.3/ 1986, C29.4 /1989, C29.5 /1984, C29.6 /1984, C29.7a /1983, C29.9:: 1993
1113	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Ratings upto 66kV (Inclusive)	Galvanizing test(Thickness of Zinc Coating)	IS 731/ 2016, IS 2633 1986,IS 1445 /2009, IS 3070-3 /2009, IS 2544 /2006, IS 5300 /2009, IS 5621 /2009, IEC 60168 /1994, IEC 60305 /1995/ 2018, IEC 60383-1 /1993, IEC 60383-2 /1993,,IEC: 61109-2008,IEC 61952-2008 ANSI C29.1/1992, C29.2/1992, C29.3/ 1986, C29.4 /1989, C29.5 /1984, C29.6 /1984, C29.7a /1983, C29.9: 1993
1114	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disc/Pin/Post/Solid Core/Hollow Insulator, Lightning Arrester Housings Ratings up To 66kV (Inclusive).	Temperature cycle (on porcelain Insulators)	IS 731/ 2016, IS 1445 /2009, IS 2544 /2006, IS 4318 /2009, IS 5300 /2009, IS 5621 /2009, IEC 60383-1 /1993, IEC 60383-2/ 1993, ANSI C29.1 /1992, C29.2/1992, C29.5/1984,C29-6/84, C29.7a/1983, C29.9/1983, C-57.12.00: 2006
1115	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disconnectors (Isolators and Earthing Switches) for voltages above 1000 volts	Mechanical Endurance Test	IEC 62271-1 2017, IEC 62271-102 2018, IEC62271-103: 2018



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1116	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Disconnectors (Isolators and Earthing Switches) for voltages above 1000 volts	Temperature Rise Test up to 8.0 kA	IEC 62271-100:2021. IEC 62271-110,2017. IEC 62271-102,2018 IEC 62271-200,2021. IEC 62271-201, 2014. IEC 62271-202, 2022 IEC 62271- 203, 2011. IEC 62271-1, 2017. IEC 60077-2,2017. IEC 60077-4,2019 BS 6581,1985/IEC 694, 1980.IS/IEC 62271 (part1),2007.IS/IEC 62271 (part100), 2008, IS/IEC 62271(part-200), 2003.IS/IEC 62271 (part-102), 2003. IS/IEC 62271-201:2006 . IS/IEC 62271-202:2022 . IS/IEC 62271-203:2011 IEEE Std C37.09: 2012: 201: 2012
1117	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Resistance Measurement	IEC 62271-100:2021. IEC 62271-110,2017. IEC 62271-102,2018 IEC 62271-200,2021. IEC 62271-201, 2014. IEC 62271-202, 2022 IEC 62271- 203, 2011. IEC 62271-1, 2017. IEC 60077-2,2017. IEC 60077-4,2019 BS 6581,1985/IEC 694, 1980.IS/IEC 62271 (part1),2007.IS/IEC 62271 (part100), 2008, IS/IEC 62271(part-200), 2003.IS/IEC 62271 (part-102), 2003. IS/IEC 62271-201:2006 . IS/IEC 62271-202:2022 . IS/IEC 62271-203:2011 IEEE Std C37.09: 2012: 201: 2012



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1118	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Temperature Rise Test up to 8.0 kA	IEC 62271-100:2021. IEC 62271-110,2017. IEC 62271-102,2018 IEC 62271-200,2021. IEC 62271-201, 2014. IEC 62271-202, 2022 IEC 62271- 203, 2011. IEC 62271-1, 2017. IEC 60077-2,2017. IEC 60077-4,2019 BS 6581,1985/IEC 694, 1980.IS/IEC 62271 (part1),2007.IS/IEC 62271 (part100), 2008. IS/IEC 62271(part-200), 2003.IS/IEC 62271 (part-102), 2003. IS/IEC 62271-201:2006 . IS/IEC 62271-202:2022 . IS/IEC 62271-203:2011 IEEE Std C37.09: 2012: 201, IEC 62271-103: 2021
1119	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Temperature Rise Test upto 8.0 kA	IEC 62271-100:2021. IEC 62271-110,2017. IEC 62271-102,2018 IEC 62271-200,2021. IEC 62271-201, 2014. IEC 62271-202, 2022 IEC 62271- 203, 2011. IEC 62271-1, 2017. IEC 60077-2,2017. IEC 60077-4,2019 BS 6581,1985/IEC 694, 1980.IS/IEC 62271 (part1),2007.IS/IEC 62271 (part100), 2008. IS/IEC 62271(part-200), 2003.IS/IEC 62271 (part-102), 2003. IS/IEC 62271-201:2006 . IS/IEC 62271-202:2022 . IS/IEC 62271-203:2011 IEEE Std C37.09: 2012: 201, IEC 62271-103: 2021
1120	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage fuses - Current limiting fuses High voltage fuses - Expulsion and similar fuses	Temperature Rise Test upto 8.0 kA	IEC 60282-1 2014 IS 9385(part 1 & 2) 2018, IEC 60282-2 : : 2008
1121	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage fuses - Current limiting fuses High voltage fuses - Expulsion and similar fuses	Temperature Rise Test upto 8.0 kA	IEC 60282-1 2014, IEC 60282-2: : 2008
1122	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating materials	Resistance to abnormal Heat and Fire due to internal electric effects	IEC 61439-1 cl.co.10.2.3.2: 2020



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1123	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Inter connecting Busbars for AC Voltage above 1kV upto and including 36kV	Temperature Rise Test up to 8.0 kA	IEC 62271-200: 2011, IEEEC 37.23-2008, IS 8084-1996, (RA): 2017
1124	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Low-voltage switchgear and controlgear assemblies	Clearance and creepage distance	IEC 61439-1 2011, IS/IEC 61439-1 2011 IEC 61439-2 2011, IEC 61439-3 2012, IEC 61439-6: 2012
1125	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Low-voltage switchgear and controlgear assemblies	Dielectric Test	IEC 61439-1 2011, IS/IEC 61439-1 2011 IEC 61439-2 2011, IEC 61439-3 2012, IEC 61439-6: 2012
1126	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Low-voltage switchgear and controlgear assemblies	Temperature Rise Test upto 8.0 kA	IEC 61439-1 2011, IS/IEC 61439-1 2011 IEC 61439-2 2011, IEC 61439-3 2012, IEC 61439-6: 2012
1127	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	switchgear and controlgear assemblies - Part 1: General rules Part 2: Power switchgear and controlgear assemblies Part 3: Distribution Boards Intended to be Operated by Ordinary Persons (DBO) Part6: Busbar trunking systems (Busways)	Ingress of Protection	IEC 61439-1 2020 ,IS/IEC 61439-1 2011 IEC 61439-2 2020, IS/IEC 61439-2:2011 IEC 61439-3 2012, IEC 61439-6: 2012, iec 60529: 2013, IEC: 62271-200: 2012
1128	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted LED lamps for general lighting purposes	Harmonic measurements	IS 16102 (PART 2): 2017
1129	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted LED lamps for general lighting purposes	Test for conducted emissions for radio disturbances	IS:16102 Part-2: 2017, IS:10322 Part-5, Section 1:2012, Section 3: 2012 and Section 5:2013: 2012
1130	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted LED lamps for general lighting purposes	Test for radiated emissions for radio frequency disturbances	IS:16102 Part-2: 2017, IS:10322 Part-5, Section 1:2012, Section 3: 2012 and Section 5:2013: 2013
1131	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self ballasted LED Lamps for General Lightning Services	Lamp power	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1.3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2)-2012: 2020
1132	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Bending Moment, Axial Pull and Mass	IS 16102 (Part- 1):2012, RA: 2017
1133	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Cap Interchangeability	IS 16102 (Part- 1):2012, RA: 2017



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1134	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Cap Temperature rise test	IS 16102 (Part- 1):2012, RA: 2017
1135	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Creepage distance and clearances	IS 16102 (Part- 1):2012, RA: 2017
1136	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Dimensions	IS 16102 (Part- 1):2012, RA: 2017
1137	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Electric strength after Humidity treatment	IS 16102 (Part- 1):2012, RA: 2017
1138	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Insulation Resistance after humidity treatment	IS 16102 (Part- 1):2012, RA: 2017
1139	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Marking	IS 16102 (Part- 1):2012, RA: 2017
1140	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Mechanical strength -Torsion resistance of Unused Lamps	IS 16102 (Part- 1):2012, RA: 2017
1141	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Protection against accidental contact with line parts	IS 16102 (Part- 1):2012, RA: 2017
1142	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Resistance To Flame And Ignition	IS 16102 (Part- 1):2012, RA: 2017
1143	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Resistance To Heat	IS 16102 (Part- 1):2012, RA: 2017
1144	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Lamps for General Lightning Services	Supply voltage switching test	IS 16102 (Part- 1):2012, RA: 2017
1145	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Beam Angle	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1.3.5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1146	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Chromacity u' coordinate	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1.3.5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012



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1147	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Chromaticity Duv coordinate	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1148	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid state Lighting (LED) Products	chromaticity v' coordinate	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1149	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Chromaticity x coordinate	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1150	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Chromaticity y Coordinate	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1151	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	COLOUR RENDERING INDEX (CRI)	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1152	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Correlated Color Temperature (CCT)	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1153	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Luminous Efficacy	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012
1154	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Luminous Intensity measurement (cd)	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012



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1155	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting (LED) Products	Measurement of Total Luminous Flux (lm)	IESNA LM 79-08 / IS 16106: 2012, RA-2017, IS 16102(PART-2)-2017, IS 10322 (part5/section 1,3,5), IS 16107(PART2, SECTION1), IS 16103 (PART 2): 2012