National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEMSCAB INDUSTRIES LIMITED, PLOT NO. SP-1192/ L & K, PHASE -IV, RIICO INDUSTRIAL AREA, BHIWADI, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8504 **Page No** 1 of 29

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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
LOCATION 1-PLOT NO. SP-1192/ L & K, PHASE -IV, RIICO INDUSTRIAL AREA, BHIWADI, ALWAR, RAJASTHAN, INDIA Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V IS:7098 (Part-1)-1988 Cl. 15.1.c	Thickness of insulation and sheath	IS 10810 (Part- 6)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 VIS 14255:1995 Cl.10.1.a.i)	Tensile strength (for aluminum conductor)	IS 10810 (Part -2)
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100 VIS 14255:1995 Cl.10.1.a. ii)	Wrapping test (for Aluminium Conductor)	IS 10810 (Part-3)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995,	Lay Ratio	IS 398(Part-4)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995 Cl.10.1.a. iii), b iii)	Conductor Resistance (Phase/Steel Light /Messenger)	IS 10810 (Part-5)
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995 Cl.10.1.c i) , d i)	Tensile strength and elongation at break on Insulation	IS 10810 (Part-7)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995, Cl. 10.1.b i) Cl. 6.5	Breaking load on Messenger Conductor	IS 10810 (Part-2)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995, Cl. 10.1 b ii) & Cl. 6.5	Elongation on Messenger Conductor	IS 14255
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V, IS 14255:1995 Cl.10.1.ci i)	Ageing in air oven	IS 10810 (Part-11)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100VIS 14255:1995 Cl.10.1.e	Test for Thickness of insulation and Overall Dimensions	IS 10810 (Part -6)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including1100 V IS14255:1995 Cl. 11.4	Bending Test	IS 10810 (Part-50)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including1100V IS 14255:1995 Cl. 10.1.c iii)	Hot set test	IS 10810 (Part-30)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995 Cl. 10.1.f	Insulation Resistance Test	IS 10810 (Part-43)
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V, IS 14255:1995 Cl. 10.1.c.iv)	Shrinkage Test	!S 10810 (Part-12)
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V, IS 14255:1995 Cl. 10.1.c.v)	Water Absorption Test (Gravimetric)	IS 10810 (Part-33)
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for working voltages up to and including 1100V IS 14255:1995 Cl. 10.1.g	High Voltage at room temperature	IS 10810 (Part-45)
17	ELECTRICAL- CABLES & WIRES	Anti Rodent and Anti Termite Test	Anti Rodent and Anti Termite Test	PE-TS-417-507-E012

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18	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Conductors	Conductor Resistance	BS EN 60228
19	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Conductors Cl.4.2,4.3,	Tensile strength (for aluminum conductor)	BS EN 60228
20	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Conductors	Conductor Resistance	IEC 60228
21	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Conductors Cl.4.2,4.3,	Tensile strength (for aluminum conductor)	IEC 60228
22	ELECTRICAL- CABLES & WIRES	Conductors for insulated electric cables	Persulphate Test (for Tinned Copper)	IS 10810 (Part-4)
23	ELECTRICAL- CABLES & WIRES	Copper Specification	Copper Purity Test (Determination of Copper by the electrolytic method)	IS 191
24	ELECTRICAL- CABLES & WIRES	Cross inked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part -1)-1988 Cl. 15.1.1 C1 (a & d) C2 (a & d),	Oxygen Index Test/ Temperature Index Test	IS 10810 (Part-58 & Part-64)
25	ELECTRICAL- CABLES & WIRES	Cross linked polyethylene insulated Thermoplastic sheathed cables for working voltage up to & including 1100V IS: 7098 (Part-1)- 1988 Cl. 15.1.a. i)	Annealing test (For copper conductor)	IS 10810 (Part-1)
26	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.b.2.i & ii	Tensile Strength & Elongation at break for Armouring Material	IS 10810 (Part-37)
27	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V IS:7098 (Part-1)- 1988Cl. 15.1.d.iii)	Hot Set Test	IS 10810 (Part-30)
28	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.e.vii)	Thermal stability	IS 10810 (Part-60)
29	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part -1)-1988 Cl. 15.1.a.ii,	Tensile strength (for aluminum conductor)	IS 10810 (Part-2)
30	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1. f,	Insulation Resistance Test	IS 10810 (Part-43)
31	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.2 (vii),	Winding/Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part-39)
32	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.b.2. v)	Uniformity of Zinc Coating (Dip Test)	IS 10810 (Part-40)

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33	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.b.2.iii),	Torsion Test on Galvanized Steel wire Armouring	IS 10810 (Part-38)
34	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.d. iv) & e. iv),	Shrinkage Test	IS 10810 (Part-12)
35	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.d. v),	Water Absorption Test (Gravimetric)	IS 10810 (Part-33)
36	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.e. vi),	Heat Shock Test on Sheath	IS 10810 (Part-14)
37	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.e.v,	Hot Deformation test/ Pressure Test at High Temperature	IS 10810 (Part-15)
38	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.4. a,	Cold Bend Test	IS 10810 (Part-20)
39	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.4. b,	Cold Impact Test	IS 10810 (Part-21)
40	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.1 C2 .f,	Halogen Acid Gas Evolution/ Corrosive & halogen acid gas	IS 10810 (Part-59)
41	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.2 (vii),	Resistivity & Conductance of Armour (Wires/Strips)	IS 10810 (Part-42)
42	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated Thermoplastic sheathed cables for working voltage up to & including 1100 V IS: 7098 (Part -1)- 1988 Cl. 15.1.a. i)	Wrapping test (for aluminum)	IS 10810 (Part-3)
43	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.b 2, vi),	Mass of Zinc coating	IS 10810 (Part-41)
44	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 13.1.2	Armour Coverage Percentage Test	IS 7098 (Part-1)
45	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 16.2.1	HIgh Voltage Test at room temperature (for single core Un-armoured Cable in Water)	IS 10810 (Part-45)
46	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1. C1.b, & C2,b	Flame Retardant Test on Single cable	IS:10810 (Part-61):

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47	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V, IS:7098 Part-1)-1988 Cl. 15.1.e.iii)	Loss of Mass	IS 10810 (Part-10)
48	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated thermoplastic Sheathed cables for working voltages up to and including1100V IS:7098 (Part1)-1988Cl. 15.1.h &16.3	Flammability test	IS 10810(Part-53)
49	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated Thermoplastic sheathed cables for working voltage up to & including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.a. iii)	Dimension for armouring material	IS 10810 (Part-36)
50	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.d.(i) & e(i)	Tensile strength and elongation at break on Insulation and Sheath	IS : 10810 (Part-7)
51	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V, IS:7098 (Part-1)-1988 Cl. 15.1.d.ii) & e ii)	Ageing in air oven	IS 10810 (Part-11)
52	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including1100V IS:7098 (Part1)-1988 Cl.15.1.1.C1,c & C2 c	Flame Retardant Test on Bunched cable	IS 10810 (Part-62)
53	ELECTRICAL- CABLES & WIRES	CrossInked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100V IS:7098 (Part-1)-1988 Cl. 15.1.a.(iv),	Conductor Resistance	IS 10810 (Part-5)
54	ELECTRICAL- CABLES & WIRES	Flammability Test (Ladder test)	Flammability Test (Ladder test)	IEEE 383
55	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables IS: 3975 Cl. 8.2,	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part 38)
56	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables IS:3975:1999 Cl. 7.1	Dimension for armouring material	IS 10810 (Part 36)
57	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of cables IS: 3975-1999 Cl. 8.3	Winding/Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part 39)
58	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of cables IS: 3975-1999 Cl. 8.4,	Resistivity & Conductance Test of Armour (Wires/Strips)	IS 10810 (Part 42)
59	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of cables IS: 3975-1999 Cl. 9.1,	Mass of ZInc coating	IS 10810 (Part 41)
60	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of cables IS: 3975-1999 Cl. 9.2	Uniformity Of Zinc Coating (Dip Test)	IS 10810 (Part- 40)
61	ELECTRICAL- CABLES & WIRES	Low Carbon GalvanizedSteel Wires, Formed Wires and Tapes for Armouring of Cables IS:3975:1999 Cl. 8.1	Tensile strength & Elongation at break for armouring Material	IS 10810 (Part- 37)

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62	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE insulation and PVC Sheath (for use in signaling , telecommunication & electronic devices) & Fire survival cable	Dimensions(Insulation, Polyester Tape, Mylar Tape, Inner Sheath, Armour, Drain Wire, Outer Sheath and Overall Diameter)	BS 5308 (Part -1 & 2)
63	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE insulation and PVC Sheath (for use in signaling , telecommunication & electronic devices) & Fire survival cable	Inductance / L/R Ratio	BS 5308 (Part -1 & 2)
64	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE insulation and PVC Sheath (for use in signaling , telecommunication & electronic devices) & Fire survival cable	Insulation resistance test	BS 5308 (Part -1 & 2)
65	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE insulation and PVC Sheath (for use in signaling , telecommunication & electronic devices) & Fire survival cable	Mutual capacitance & Capacitance Unbalance	BS 5308 (Part -1 & 2)
66	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE insulation and PVC Sheath(For use in signaling, Telecommunication & electronic devices) & fire survival cable	Resistance test (Conductor and drain wire)	BS 5308 (Part -1 & 2)
67	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE insulation and PVC Sheath(For use in signaling, Telecommunication & electronic devices) & fire survival cable	High Voltage test at room temp.	BS 5308 (Part -1 & 2)
68	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signaling , telecommunication & electronic devices) & Fire survival cable	Dimensions(Insulation, Polyester Tape, Mylar Tape, Inner Sheath, Armour, Drain Wire, Outer Sheath and Overall Diameter)	BS EN 50288-7
69	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signaling , telecommunication & electronic devices) & Fire survival cable	Resistance Test (Conductor and Drain wire)	BS EN 50289-1-2
70	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signaling, telecommunication & electronic devices) & Fire survival cable	Inductance / L/R Ratio	BS EN 50289-1-12, 2
71	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	Attenuation	GIL-WI-017-051
72	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	Characteristic Impedance	GIL-WI-017-048

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73	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	Cross talk	GIL-WI-017-050
74	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	Electrostatic Noise Rejection Ratio Test	IEEE Vol. IGA-3, No.2
75	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	High Voltage test at room temp.(Dielectric Strength)	BS EN 50289-1-3
76	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	Insulation Resistance Test	BS EN 50289-1-4
77	ELECTRICAL- CABLES & WIRES	Low frequency wires and cables with PVC/PE/XLPE/HFFR insulation and PVC Sheath (for use in signalling , telecommunication & electronic devices) & Fire survival cable	Mutual capacitance & Capacitance Unbalance	BS EN 50289-5,6
78	ELECTRICAL- CABLES & WIRES	Method for assessment of fire integrity of electric cables	Resistance to fire with mechanical shock and water spray (Classification PH15, PH30, PH60, PH90, PH120)	BS 8434-2
79	ELECTRICAL- CABLES & WIRES	Method for assessment of fire integrity of large diameter of cables for use as components for smoke and heat control systems and certain other active fire safety systems	Resistance to Fire (Category F30, Category F60, Category F120)	BS 8491
80	ELECTRICAL- CABLES & WIRES	Method of test for resistance to fire of unprotected small cables for use in emergency circuits	Resistance to fire with mechanical shock and water spray (Classification PH15, PH30, PH60, PH90, PH120)	BS 50200
81	ELECTRICAL- CABLES & WIRES	Methods of Chemical Analysis of Copper	Copper Purity Test (Determination of Copper by the electrolytic method)	IS 440
82	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl. 10. (iii).a.2	Tensile Strength (for aluminum conductor)	IS 10810 (Part-2)
83	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl.10.(iii).b	Test for Thickness of insulation and sheath / Overall Dimensions / Ovality	IS 10810 (Part-6)

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84	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl.10 (iii) e.5 &10.4	Flammability test	IS 10810 (Part-53)
85	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl.10. (iii).c.1 & d.1	Tensile strength and elongation at break on Insulation and Sheath	IS 10810 (Part -7)
86	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl.10. (iii).c.7 & d.7	Thermal stability	IS 10810 (Part-60)
87	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V, IS 694:2010 Cl.10. (iii).c.2 & d.2	Loss of Mass test	IS 10810 (Part-10)
88	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V, IS 694:2010 Cl.10. (iii).c.3 & d.3	Ageing in air oven	IS 10810 (Part-11)
89	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl.10 (iii) a) 3	Wrapping test (for aluminum)	IS 10810 (Part-3)
90	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl. 10 (iii) a) 4	Conductor Resistance	IS 10810 (Part-5)
91	ELECTRICAL- CABLES & WIRES	Polyvinyl chloride insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltage up to & including 1100 V IS 694-2010 Cl.10 (iii) a.1)	Annealing test (For copper conductor)	IS 10810 (Part-1)
92	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10 (iii) a.5) & (IS 8130:2013 Cl. 7.1.1)	Persulphate Test (for Tinned Copper)	IS 10810 (Part-4)
93	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10 (iii) c.5 & d.5	Heat Shock test on Insulation & Sheath	IS 10810 (Part-14)
94	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10 (iii) c.6 & d.6	Hot Deformation test/ Pressure Test at High Temperature	IS 10810 (Part-15)

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95	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10 (iii) e 3)	Insulation Resistance	IS 10810 (Part-43)
96	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10(iii) c.13, d.10 &10.6	Halogen Acid Gas Evolution/ Corrosive & halogen acid gas	IS 10810 (Part-59)
97	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10(iii) c.4 & d.4	Shrinkage Test	IS 10810 (Part-12)
98	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10.1	High Voltage Test (Water Immersion test)	IS 694
99	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10.2 &10.3	High Voltage Test at room temperature or Spark Test	IS 10810 (Part-45) & (Part-44)
100	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10.2	High Voltage Test	IS 10810 (Part-45)
101	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V IS 694:2010 Cl. 10.9	Additional Ageing Test	IS 694
102	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V IS 694:2010 Cl. 10.8	Density of Smoke from the Burning or Decomposition of Plastics	IS 13360 (Part-6 Section 9)
103	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V, IS 694:2010 Cl. 10 (iii) c.8,	Cold Bend Test	IS 10810 (Part-20)
104	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V, IS 694:2010 Cl. 10 (iii) c.9,	Cold Impact	IS 10810 (Part-21)
105	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100V, IS 694:2010 Cl. 10 (iii) c.9,	Oxygen Index / Temperature Index	IS 10810 (Part- 58 & Part-64)
106	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl. 16.9 & 18.12	Hot set test	IEC 60811-507

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107	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.17.2 & 17.3,	Insulation Resistance	IEC 60811-301 & 302
108	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.15.2	Conductor Resistance	IEC 60228
109	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.15.3	HIgh Voltage Test at room temperature (for single core Un-armoured Cable in Water)	IEC 60811 301 & 302
110	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.16.5,18.2. & 18.3	Test for Thickness of insulation and sheath / Overall Dimensions	IEC 60811-201, 202 & 203
111	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.17.4	High Voltage Test (4 hour)	IEC 60502-1
112	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.10	Heat Shock test on Insulation & Sheath	IEC 60811-509
113	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.14	Water Absorption Test (Electrical)	IEC 60811-402
114	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.14	Water Absorption Test (Gravimetric)	IEC 60811-402
115	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.15.1	Flammability test /Flame spread test on single cables	IEC 60332-1 & 2
116	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.15.14	Halogen Acid Gas Evolution / Corrosive & halogen acid gas / Acid Gas Emission Test	IEC 60754-1
117	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.15.2	Flame Retardant Test on Bunched cable/ Flame spread test on bunched cables	IEC 60332-3-21, 22, 23, 24, 25
118	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.17 & 18.21	Shrinkage Test	IEC 60811-502 & 503
119	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.4 & 18.5	Ageing in air oven	IEC 60811-401
120	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.4 & 18.5	Tensile strength and elongation at break on Insulation and Sheath	IEC 60811-501

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121	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.6	Additional Ageing Test on pieces of Completed Cables	IEC 60502-1
122	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.7	Loss of Mass test	IEC 60811-409
123	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.8	Hot Deformation test/ Pressure Test at High Temperature	IEC 60811-508
124	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.9	Cold Bend Test	IEC 60811-504
125	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.9	Cold Impact Test	IEC 60811-506
126	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.9	Elongation Test at Low Temperature	IEC 60811-505
127	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V, IS:1554 (Part-1)-1988 Cl. 15.1. d.2	Ageing in air oven	IS 10810 (Part-11)
128	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto1100V IS:1554 (Part-1)-1988 Cl. 15.1.a. 4,	Conductor Resistance	IS 10810 (Part-5)
129	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages upto1100V IS:1554 (Part-1)-1988 Cl. 15.1.d.1	Tensile strength and elongation at break on Insulation and Sheath	IS 10810 (Part-7)
130	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100 V IS:1554 (Part-1)-1988 Cl.15.1.a.3	Wrapping test (for aluminum)	IS 10810 (Part-3)
131	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltage up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1 b) 2i) & ii)	Tensile Strength & Elongation at break for Armouring Material	IS 10810 (Part-37)
132	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.b.2.vii,	Resistivity & Conductance test of Armour (Wires/Strips)	IS 10810 (Part-42)
133	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1 b .2.vi)	Mass of Zinc coating	IS 10810 (Part-41)
134	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 16.2	HIgh Voltage Test at room temperature (for single core Un-armoured Cable in Water)	IS 10810 (Part-45)
135	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100 V, IS:1554 (Part-1)-1988 Cl. 15.1.b.1,	Dimension for Armouring Material	IS 10810 (Part-36)

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136	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100 VIS:1554 (Part-1)-1988 Cl. 15.1.e	Insulation Resistance Test	IS 10810 (Part-43)
137	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V, IS:1554 (Part-1)-1988 Cl. 15.1.1 C2 f) & 16.9	Halogen Acid Gas Evolution/ Corrosive & halogen acid gas	IS 10810 (Part-59)
138	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100 V IS:1554 (Part-1)-1988 Cl. 15.1. b.2. iv)	Winding/Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part-39)
139	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100 V IS:1554 (Part-1)-1988 Cl. 15.1.d.3	Shrinkage Test	IS 10810 (Part-12)
140	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100 V IS:1554 (Part-1)-1988 Cl. 15.1.d.4	Hot Deformation test/ Pressure Test at High Temperature	IS 10810 (Part-15)
141	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100 V IS:1554 (Part-1)-1988 Cl. 15.1.d.6	Heat Shock test on Insulation & Sheath	IS 10810 (Part-14)
142	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 16.3	High Voltage Test (Water Immersion test)	IS 1554 (Part-1)
143	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 13.1.2	Armour Coverage Percentage Test	IS:1554 (Part-1)
144	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.a.2	Tensile strength (for aluminum conductor)	IS 10810 (Part-2)
145	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.b.2 .iii),	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part-38)
146	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.b.2. v,	Uniformity of Zinc coating (Dip Test)	IS 10810 (Part-40)
147	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.h,	Flammability test	IS 10810 (Part-53)
148	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part1)-1988 Cl. 15.1.c,	Test for Thickness of insulation and sheath	IS 10810 (Part-6)
149	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.d.7	Thermal stability	IS 10810 (Part-60)
150	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to1100V IS:1554 (Part-1)-1988 Cl. 15.1.1.C1 c, C2. c & 16.7,	Flame Retardant Test on Bunched cable	IS 10810 (Part-62)
151	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988 Cl. 15.1.1 C1 (a & d), C2 (a & d)	Oxygen Index Test/Temperature Index Test	IS 10810 (Part-58 & Part-64)
152	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V, IS:1554 (Part- 1)-1988 Cl. 15.4. a,	Cold Bend Test	IS 10810 (Part-20)

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153	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V, IS:1554 (Part- 1)-1988 Cl.15.4. b,	Cold Impact Test	IS 10810 (Part-21)
154	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V IS:1554 (Part-1)-1988Cl. 15.1.1, C1 b, C2 b & 16.6	Flame Retardant Test on Single cable	IS:10810 (Part-61)
155	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for working voltages up to 1100V, IS:1554 (Part-1)-1988 Cl.15.1.d.5,	Loss of Mass test	IS 10810 (Part-10)
156	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electrical Cables for working voltages up to & including 1100V IS:1554 (Part-1)-1988 Cl. 15.1.a.1)	Annealing Test (For copper Conductor)	IS :10810 (Part-1)
157	ELECTRICAL- CABLES & WIRES	Test for electric cable under fire condition-Circuit Integrity	Fire alone at a temperature of at least 750 0 C	IEC 60331-11
158	ELECTRICAL- CABLES & WIRES	Test for electric cable under fire condition-Circuit Integrity	Fire Resistance Test	IEC 60331-3
159	ELECTRICAL- CABLES & WIRES	Test for electric cable under fire condition-Circuit Integrity	Fire Resistance Test	IEC 60331-1
160	ELECTRICAL- CABLES & WIRES	Test for electric cable under fire condition-Circuit Integrity	Fire Resistance Test	IEC 60331-2
161	ELECTRICAL- CABLES & WIRES	Test for electric cable under fire condition-Circuit Integrity	Fire Resistance Test	IEC 60331-21
162	ELECTRICAL- CABLES & WIRES	Test for resistance to fire of cables required to maintain - Circuit Integrity under fire condtions	Fire Resistance Test (Categery CWZ)	BS 6387
163	ELECTRICAL- CABLES & WIRES	Tests on electric and optical fibre cables under fire conditions	Test for vertical flame spread of vertically mounted bunched wires or cables	BS EN 60332-3-21, 22,23, 24, 25
164	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armored fire Resistant cables of rated voltage 600/1000v for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Resistance to Fire (Category F2, Category F30 , Category F60 , Category F120	BS 7846
165	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable,PVC insulated Wires , Control Cable & Power Cable,Low frequency wires and cables with PVC insulation and PVC Sheath & Fire survival cables	Halogen Acid Gas Evolution / Corrosive & halogen acid gas / Acid Gas Emission Test	IEC 60754-1
166	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable,PVC insulated Wires , Control Cable & Power Cable,Low frequency wires and cables with PVC insulation and PVC Sheath & Fire survival cables	Test for smoke density	IS 10810 (Part-63)
167	ELECTRICAL- CABLES & WIRES	XLPE/PVC insulated Wires ,Control Cable, Power Cable, Low frequency wires and cables & Fire survival cables	Flame Retardant Test on Bunched cable/ Flame spread test on bunched cables	IEC 60332-3-21, 22, 23,24 & 25
168	ELECTRICAL- CABLES & WIRES	XLPE/PVC insulated Wires ,Control Cable, Power Cable, Low frequency wires and cables & Fire survival cables	Flame Retardant Test on Single cable (Swedish Chimney)	SS 424 1475

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169	ELECTRICAL- CABLES & WIRES	XLPE/PVC insulated Wires ,Control Cable, Power Cable, Low frequency wires and cables & Fire survival cables	Oxygen Index Test	ASTM D 2863
170	ELECTRICAL- CABLES & WIRES	XLPE/PVC insulated Wires ,Control Cable, Power Cable, Low frequency wires and cables & Fire survival cables	Smoke Density	IEC 61034-1 & 2
171	ELECTRICAL- CABLES & WIRES	XLPE/PVC insulated Wires ,Control Cable, Power Cable, Low frequency wires and cables & Fire survival cables	Smoke Density Rating	ASTM D 2843
172	ELECTRICAL- CABLES & WIRES	XLPE/PVC insulated Wires ,Control Cable, Power Cable, Low frequency wires and cables & Fire survival cables	Smoke Density Rating	IS 13360 (Part 6/Sec 9)

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LOCATION 2 - PLOT NO SP-4-868/869, RIICO INDUSTRIAL AREA, PATHREDI, BHIWADI, ALWAR, RAJASTHAN, INDIA Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Conductors, BSEN: 60228:2005 & IEC:60228: 2004-11	Conductor Resistance	BSEN 60228
2	ELECTRICAL- CABLES & WIRES	Conductors for Insulated Conductors, BSEN:60228:2005, Cl.4.2,4.3, IEC:60228:2004-11, Cl. 4.2,4.3	Tensile strength (for aluminum conductor)	BSEN 60228
3	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages including 66kV IS:7098 (Part 3)-1993 Cl. 19.1.a.i.	Annealing Test (for Copper Conductor)	IS 10810 (Part-1)
4	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b	Uniformity of Zinc coating (Dip Test)	IS 10810 (Part-40)
5	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.i	Test for thickness & dimension of insulation	IS 10810 (Part-06)
6	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.ii	Tensile strength & elongation at break test of insulation	IS 10810 (Part-07)
7	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.iii	Thermal ageing in air oven of insulation	IS 10810 (Part-11)
8	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV IS:7098 (Part 2)-2011, Cl.19.1.3.C1.a, d & Cl.19.1.3.C2.a, f & Cl. 20.10, 20.15	Oxygen Index / Temperature Index Test	IS 10810 (Pt 58 & 64)
9	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.a.ii)	Conductor Resistance	IS 10810(Pt-05)
10	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.ii	Tensile strength (for aluminum conductor)	IS 10810 (Part-2)
11	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.iv	Hot Set Test of XLPE insulation	IS 10810 (Part-30)
12	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.v	Shrinkage Test of XLPE Insulation	IS 10810 (Part-12)
13	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.b.vi & 20.1	Void and Contaminants Test for XLPE insulation	IS 7098 (Part-3)

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14	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.c & Cl. 20.2.2 Annex C	Resistivity Test for Semi Conducting Layer Before and After Thermal Ageing	IS 7098 (Part-3)
15	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.d.i & Cl. 20.3	Test for concentric copper wire	IS 7098 (Part-3)
16	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.d.ii & Cl. 20.4	Test for concentric copper tape	IS 7098 (Part-3)
17	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.e	Thickness of metallic sheath	IS 10810 (Part-34)
18	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.f.i	Dimension for armouring material	IS 10810 (Part-36)
19	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.f.ii	Tensile strength & Elongation at break for armouring Material	IS 10810 (Part-37)
20	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.f.iii	Winding/Wrapping Test for Armouring Material	IS 10810 (Part-3)
21	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.f.iv	Resistivity Test of Armouring Material	IS 10810 (Part-42)
22	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.1	Measurement of thickness for outer sheath	IS 7098 (Part-06)
23	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.i	Tensile strength & Elongation at break Before and After Ageing for PVC Sheath	IS 10810 (Part-07)
24	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.ii	Thermal Ageing in Air Oven for PVC Sheath	IS 10810 (Part-11)
25	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.iii	Loss of mass test for PVC Sheath	IS 10810 (Part-10)
26	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.iv	Heat Shock Test for PVC Sheath	IS 10810 (Part-14)
27	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.v	Hot Deformation Test for PVC Sheath	IS 10810 (Part-15)

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28	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.vi	Shrinkage Test for PVC Sheath	IS 10810 (Part-12)
29	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.2.vii	Thermal Stability Test for PVC Sheath	IS 10810 (Part-60)
30	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.3.i	Carbon Black Content Test for PE Sheath	IS 10810 (Part-32)
31	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.3.ii	Tensile Strength & Elongation at break Before & After ageing for PE Sheath	IS 10810 (Part-07)
32	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.g.3.iii	Hot Deformation Test for PE Sheath	IS 10810 (Part-15)
33	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.h	Flammability Test (for PVC Outer Sheathed Cables)	IS 10810 (Part-53)
34	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.j & Cl. 20.8.3 Annex D	Water Tightness / Penetration Test	IS 7098 (Part-3)
35	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.k.i & Cl. 20.9	Thermal Ageing on Complete Cable Sample	IS 7098 (Part-3)
36	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.k.ii	Tensile Strength & Elongation at break for Insulation & Sheath before and after Thermal Ageing on Complete Cable	IS 10810 (Part-07)
37	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.k.iii & Cl. 20.2	Resistivity Test for Semi Conducting Layer Before and After Thermal Ageing	IS 7098 (Pt-3)
38	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.m & Cl. 20.10	Partial Discharge Test	IS 10810 (Pt-46)
39	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.m & Cl. 20.11	Bending Test	IS 10810 (Part-50)
40	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.n & Cl. 20.12	Dielectric Power Factor at ambient temperature	IS 10810 (Part-48)

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41	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.n & Cl. 20.18	Capacitance Measurement	IS 7098 (Part-3)
42	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.p & Cl. 20.13	Dielectric Power Factor Measurement at Elevated Temperature	IS 10810 (Part-48)
43	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.q & CL. 20.14	Load Cycle Test	IS 7098 (Part-3)
44	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.r & Cl. 20.15	Impulse Withstand Test	IS 10810 (Part-47)
45	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 19.1.r & Cl. 20.15.1	High Voltage Test (After Impulse Test 15 Minutes)	IS 10810 (Part-45)
46	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to 66 kV IS:7098 (Part-3) 1993 Cl. 20.17	High Voltage Test at Room Temperature	IS 10810 (Part-45)
47	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.13.1.2	Armour Coverage Percentage Test	IS:7098 (Part-1)
48	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.1 C1.b & C2.b	Flame Retardant Test on Single cable	IS:10810 (Part-61)
49	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.1 C1.c & C2.c	Flame Retardant Test on Bunched Cable	IS 10810 (Part-62)
50	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.1.C1.a, d & C2.a, g	Oxygen Index / Temperature Index Test	IS 10810 (Pt-58 & 64)
51	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.1.C2.f	Halogen Acid Gas Evolution /Corrosive & halogen acid gas	IS 10810 (Part 59)
52	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.a.i	Annealing Test (for Copper Conductor)	IS 10810 (Part-1)
53	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.a.ii	Tensile strength (for Aluminium conductor)	IS 10810 (Part-2)
54	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.a.iii	Wrapping Test (for Aluminum)	IS 10810 (Part-3)

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55	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.a.iv	Conductor Resistance	IS 10810 (Part-5)
56	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b.1	Dimension for armouring material	IS 10810 (Part-36)
57	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b.2.i & ii	Tensile strength & Elongation at break for armouring Material	IS 10810 (Part-37)
58	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b.2.iii	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part-38)
59	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b.2.iv	Winding / Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part-39)
60	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b.2.vi	Mass of Zinc Coating	IS 10810 (Part-41)
61	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.b.2.vii	Resistivity & Conductance test of Armour	IS 10810 (Part-42)
62	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.c	Thickness of insulation and sheath / Overall Dimensions	IS 10810 (Part-6)
63	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.d.i & e.i	Tensile strength and elongation at break on Insulation and Sheath	IS 10810 (Part-7)
64	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.d.ii & e.ii	Ageing in air oven	IS 10810 (Part-11)
65	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.d.iii	Hot Set Test	IS 10810 (Part-30)
66	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.d.iv & e.iv	Shrinkage Test	IS 10810 (Part-12)
67	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.d.v	Water Absorption Test (Gravimetric)	IS 10810 (Part-33)
68	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.e.iii	Loss of Mass Test	IS 10810 (Part-10):

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69	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.e.v	Hot deformation test / Pressure Test at High Temperature	IS 10810 (Part-15)
70	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.e.vi	Heat Shock test on Sheath	IS 10810 (Part-14)
71	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.e.vii	Thermal stability	IS 10810 (Part-60)
72	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.f	Insulation Resistance	IS:10810 (Part-43)
73	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.g	High Voltage test at room temperature	IS: 10810 (Part-45)
74	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.1.h	Flammability test	IS 10810 (Part-53)
75	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.4.a	Cold Bend Test	IS 10810 (Part-20)
76	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages up to and including 1100 V, IS:7098 (Part-1)1988, Cl.15.4.b	Cold Impact test	IS 10810 (Part-21)
77	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages 3.3 kV to 33 kV IS:7098 (Part 2) 2011, Cl.19.1.ii	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part-38)
78	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages 3.3 kV to 33 kV IS:7098 (Part 2) 2011, Cl.19.1.ii	Uniformity of Zinc coating (Dip Test)	IS 10810 (Part 40)
79	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011 Cl. 19.ix	Bending Test	IS 10810 (Part 50)
80	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.3.C1.c & Cl. 19.1.3.C2.c	Flame Retardant Test on Bunched cable	IS 10810 (Part 62)
81	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.17.1.1	Armour Coverage Percentage Test	IS:7098 (Part-2)
82	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.3 C2.e	Halogen Acid Gas Evolution /Corrosive & halogen acid gas	IS 10810 (Part 59)

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83	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.3, C1.b & Cl.19.1.3.C2.b	Flame Retardant Test on Single cable	IS:10810 (Part-61)
84	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.i.a	Annealing Test (for Copper Conductor)	IS 10810 (Part-1)
85	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.i.b	Tensile strength (for aluminium conductor)	IS 10810 (Part-2)
86	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.i.c.	Wrapping Test (for aluminum)	IS 10810 (Part-3)
87	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.i.d	Conductor Resistance	IS 10810 (Part-5)
88	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.ii	Resistivity &Conductance test of Armour	IS 10810 (Part-42)
89	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.ii	Winding/ Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part 39)
90	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.ii	Dimension for armouring material	IS 10810 (Part 36)
91	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.ii	Mass of Zinc coating	IS 10810 (Part 41)
92	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.ii	Tensile strength & Elongation at break for armouring Material	IS 10810 (Part-37)
93	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.iii.a, Cl.19.1.vi.a	Tensile strength and elongation at break on Insulation and Sheath	IS 10810 (Part-7)
94	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.iii.b & Cl.19.1.vi.b	Ageing in air oven	IS 10810 (Part-11)
95	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.iii.d	Hot Set Test	IS 10810 (Part 30)
96	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.iii.e & Cl.19.1.vi.c	Shrinkage Test	IS 10810 (Part-12)

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97	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.iii.f	Water Absorption Test (Gravimetric)	IS 10810(Part-33)
98	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.iv	Test for eccentricity and Thickness of insulation and sheath / Overall Dimensions	IS 10810 (Part -6)
99	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.v.b	Extruded semiconducting screens- Resistivity	IS 7098 (Part-2)
100	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.vi.d	Hot deformation test / Pressure Test at High Temperature	IS 10810 (Part-15)
101	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.vi.e	Loss of Mass test	IS 10810 (Part-10)
102	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.vi.f	Heat Shock test on Sheath	IS 10810 (Part-14)
103	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.vi.g	Thermal stability	IS 10810 (Part-60)
104	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.vi.h	Carbon Content Test	IS 10810 (Part 32)
105	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.vii	Thermal ageing test for complete cable/Additional Ageing Test on pieces of Completed Cables	IS:7098 (Part 2)
106	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.viii & Cl.20.2	Partial Discharge	IS 10810 (Part 46)
107	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.x.a	Dielectric Power Factor Test as a function of voltage	IS 10810 (Part-48)
108	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.x.b	Dielectric Power Factor Test as a function of temperature	IS 10810 (Part-48)
109	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.xi	Insulation Resistance	IS:10810 (Part-43)

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110	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.xii	Heat Cycle Test	IS 10810 (Part-49)
111	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.xiii	Impulse Withstand Test	IS 10810 (Part 47)
112	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.xiv	High Voltage test at room temperature	IS: 10810 (Part-45)
113	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.1.xv	Flammability test	IS 10810 (Part-53)
114	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.19.4	Cold Impact Test	IS 10810 (Part-21)
115	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.20.7.1	High Voltage Test (4 hour Test)	IS 10810 (Part 45)
116	ELECTRICAL- CABLES & WIRES	Cross-Linked Polyethylene Insulated Thermoplastic Sheathed cables for working voltages from 3.3 kV to 33 kV, IS:7098 (Part-2) 2011, Cl.6.1.1 Table-2.i Annex-B	Strippability test for strippable semiconducting insulation screen	IS 7098 (Part -2)
117	ELECTRICAL- CABLES & WIRES	Extruded outer sheath of armoured cables	Abrasion resistance	IS 10810 (Part-55)
118	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 7	Dimension for Armouring Material	IS 10810 (Part-36)
119	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 8.1	Tensile Strength & Elongation at break for Armouring Material	IS 10810 (Part-37)
120	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 8.2	Torsion Test Galvanised Steel Wire for Armouring	IS 10810 (Part-38)
121	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 8.3	Winding / Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part-39)
122	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 8.4	Resistivity & conductance test of armour	IS 10810 (Part-42)
123	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 9.1	Mass of Zinc Coating	IS 10810 (Part-41)
124	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables, IS 3975-1999, Cl. 9.2	Uniformity of Zinc coating (Dip Test)	IS 10810 (Part-40)

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125	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 : 2014, Cl.18.2.4	Bending Test	IEC 60502-2
126	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 : 2014, Cl.19.5	Ageing in air oven	IEC 60811 (Part-401)
127	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl. 19.8	Loss of Mass test	IEC 60811 (Part 409)
128	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl. 20.3	Insulation Resistance	IEC 60811 (Part 301 & 302)
129	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.16.2	Conductor Resistance	IEC 60228
130	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.16.3 &18.2.5	Partial Discharge Test	IEC 60502-2
131	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.16.4	High Voltage Test at room temperature	IEC 60811 (Part-301 & 302)
132	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.16.4, 17.9.3, 18.2.9 & 18.3.4	High Voltage Test (4 hour Test)	IEC 60502-2
133	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.17.5	Insulation Thickness	IEC 60811 (Part 201)
134	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.17.5	Overall Dimensions	IEC 60811 (Part-203)
135	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.17.5	Thickness of non metallic Sheath	IEC 60811 (Part 202)
136	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.18.16 & Cl.19.18	Shrinkage Test	IEC 60811 (Part 502 & 503)
137	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.18.2.10	Extruded semiconducting screens resistivity	IEC 60502-2
138	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.18.2.6	Dielectric Power Factor Test as a function of temperature	IEC 60502-2

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139	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.18.2.7	Heat Cycle Test	IEC 60502-2
140	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.18.2.8	Impulse Withstand Test	IEC 60502-2
141	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.18.8 & 19.1	Elongation at Low Temperature	IEC 60811 (Part 505)
142	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.1	Cold Impact Test	IEC 60811 (Part 506)
143	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.11	Heat Shock test on Sheath	IEC 60811 (Part 509)
144	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.13	Hot Set Test	IEC 60811 (Part 507)
145	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.15	Water Absorption Test (Gravimetric)	IEC 60811 (402)
146	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.16	Flammability test /Flame spread test on single cables	IEC 60332 (Part 1 & 2)
147	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.17	Carbon Black Content Test	IEC 60811 (Part-605)
148	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.19	Thermal Stability	IEC 60811 (Part 405)
149	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.23	Strippability test for strippable semiconducting insulation screen	IEC 60502-2
150	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.24	Water Penetration Test	IEC 60502-2
151	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.5	Tensile Strength and Elongation at break on Insulation and Sheath	IEC 60811 (Part 501)

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152	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.7	Thermal Ageing Test for Complete Cable / Additional Ageing Test on pieces of Completed Cables	IEC 60502-2
153	ELECTRICAL- CABLES & WIRES	Power cable with extruded insulation and their accessories for rated voltages from 6kV to 30kV , IEC 60502-2 Edition -3 : 2014, Cl.19.9	Hot Deformation Test / Pressure Test at High Temperature	IEC 60811 (Part 508)
154	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0	Thermal stability	IEC 60811 (Part-405)
155	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.18.9	Elongation Test at low Temperature	IEC 60811 (Part-505)
156	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0 Cl.15.3	High Voltage Test at room temperature	IEC 60811 (301 & 302)
157	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.15.2	Conductor Resistance	IEC 60228
158	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.16.7.1	Dimension for armoring material	IEC 60502 -1
159	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.16.9	Hot Set Test	IEC 60811 (Part-507)
160	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.17.2 & 17.3	Insulation Resistance	IEC 60811 (Part 301 & 302)
161	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.17.4	High Voltage Test (4 Hour Test)	IEC 60502-1
162	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.17.5	Impulse Withstand Test	IEC 60230
163	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.10	Heat Shock test on Insulation & Sheath	IEC 60811 (Part 509)
164	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.14	Water Absorption Test (Gravimetric)	IEC 60811 (402)

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165	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.15.1	Flammability Test / Flame spread test on single cables	IEC 60332 (Part 1 & 2)
166	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.15.2	Flame Retardant Test on Bunched cable/ Flame spread test on bunched cables	IEC 60332-3 (Part -21, 22, 23, 24 & 25)
167	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.15.4	Halogen Acid Gas Evolution / Corrosive & Halogen acid gas	IEC 60754 (Part 1)
168	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.16	Carbon Black Content Test	IEC 60811 (Part-605)
169	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.17 & 18.21	Shrinkage Test	IEC 60811 (Part 502 & 503)
170	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.2 & 18.3	Test for and Thickness of insulation and sheath / Overall Dimensions	IEC 60811 (Part- 201, 202 & 203)
171	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.4 & 18.5	Ageing in air oven	IEC 60811 (Part 401)
172	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.5	Tensile Strength and Elongation at break on Insulation and Sheath	IEC 60811 (Part 501)
173	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.6	Thermal ageing test for complete cable / Additional Ageing Test on pieces of Completed Cables	IEC 60811 (401)
174	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.7	Loss of Mass Test	IEC 60811 (Part 409)
175	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.8	Hot Deformation Test / Pressure Test at High Temperature	IEC 60811 (Part 508)
176	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.9	Cold Bend Test	IEC 60811 (Part-504)
177	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3 kV IEC 60502-1:2021 Edition 3.0, Cl.18.9	Cold Impact Test	IEC 60811 (Part 506)
178	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.a.3	Wrapping Test (for aluminum)	IS 10810 (Part-3)

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179	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 13.1.2	Armour Coverage Percentage Test	IS 1554 (Part-1)
180	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.1. C1.c & C2.c	Flame Retardant Test on Bunched cable	IS 10810 (Part-62)
181	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.1.C1.b & C2.b	Flame Retardant Test on Single Cable	IS 10810 (Part-61)
182	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.1.C2.f	Halogen Acid Gas Evolution / Corrosive & Halogen Acid Gas	IS 10810 (Part-59)
183	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.a.1	Annealing Test (For copper conductor)	IS 10810 (Part-1)
184	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.a.2	Tensile Strength (for Aluminium Conductor)	IS 10810 (Part-2)
185	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.a.3	Wrapping Test (for Aluminum)	IS 10810 (Part-3)
186	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.a.4	Conductor Resistance	IS 10810 (Part-5)
187	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b	Uniformity of Zinc coating (Dip Test)	IS 10810 (Part-40)
188	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b.1	Dimension for armouring material	IS 10810 (Part-36)
189	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b.2.i & ii	Tensile Strength & Elongation at break for armouring material	IS 10810 (Part-37)
190	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b.2.iii	Torsion Test on Galvanized steel wire for Armouring	IS 10810 (Part-38)
191	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b.2.iv	Winding / Wrapping Test on Galvanized steel strip for Armouring	IS 10810 (Part-39)
192	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b.2.vi	Mass of Zinc coating	IS 10810 (Part-41)
193	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.b.2.vii	Resistivity &Conductance test of Armour (Wires/strips)	IS 10810 (Part-42)
194	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.c	Test for eccentricity and Thickness of insulation and sheath / Overall Dimensions	IS 10810 (Part-6)

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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
195	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.1	Tensile Strength and Elongation at break on Insulation and Sheath	IS 10810 (Part-7)
196	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.2	Ageing in air oven	IS 10810 (Part-11)
197	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.3	Shrinkage Test	IS 10810 (Part-12)
198	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.4	Hot Deformation Test / Pressure Test at High Temperature	IS 10810 (Part-15)
199	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.5	Loss of Mass Test	IS 10810 (Part-10)
200	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.6	Heat Shock Test on Insulation & Sheath	IS 10810 (Part-14)
201	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.d.7	Thermal Stability Test	IS 10810 (Part-60)
202	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.e	Insulation Resistance	IS 10810 (Part-43)
203	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.g.	High Voltage Test at room temperature	IS: 10810 (Part-45)
204	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.1.h	Flammability test	IS 10810 (Part-53)
205	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.4.a	Cold Bend Test	IS 10810 (Part-20)
206	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 15.4.b	Cold Impact test	IS 10810 (Part-21)
207	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl. 16.3	High Voltage Test (Water Immersion)	IS 10810 (Part-45)
208	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for working voltages up to 1100 V, IS 1554 (Part-1) 1988, Cl.15.1.1. C1.a, d & C2. a, g	Oxygen Index / Temperature Index Test	IS 10810 (Pt-58 & 64)
209	ELECTRICAL- CABLES & WIRES	XLPE Insulated, PVC insulated Control Cable & Power Cable	Smoke Density Rating	ASTM D 2843
210	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Dimension for armoring material	IEC 60502-2
211	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Flame Retardant Test on Bunched Cable / Flame Spread Test on Bunched Cables	IEC 60332-3 (Pt 21, 22, 23, 24, 25)

SCOPE OF ACCREDITATION

Laboratory Name :	GEMSCAB INDUSTRIES LIMITED, PLOT NO. SP-1192/ L & K, PHASE -IV, RIICO INDUSTRIAL AREA, BHIWADI, ALWAR, RAJASTHAN, 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
212	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Flame Retardant Test on Single cable (Swedish Chimney)	SS 424 1475
213	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Flammability Test (Ladder test)	IEEE 383
214	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Flammability Test / Flame spread test on single cables	IEC 60332 (Part 1 & 2)
215	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Halogen Acid Gas Evolution /Corrosive & halogen acid gas	IEC 60754-1
216	ELECTRICAL- CABLES & WIRES	XLPE insulated Cable, PVC insulated Cable, Control Cable & Power Cable	Oxygen Index Test	ASTM D 2863
217	ELECTRICAL- CABLES & WIRES	XLPE Insulated, PVC insulated Control Cable & Power Cable	Density of Smoke from the Burning or Decomposition of Plastics	IS 13360 (Part-6 Section 9)