

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### ETD 9 : Power Cables

**Scope:** To prepare standards for electric cables and their accessories, without limitations of voltage, current or form of construction but excluding cables for telecommunications and electronic equipment and such other cables as fall within the scope of other committees

**Liaison:** **IEC TC-20 (P):** *Electric cables*

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10418 : 2024	Drums for Electric Cables $i_c^{1/2}$ Specification (First Revision)		-	Indigenous
2	IS 10462 (Part 1) : 1983 <i>Reviewed In : 2021</i> <i>IEC Publication 502 ( 1978 )</i>	Fictitious calculation method for determination of dimensions of protective coverings of cables: Part 1 elastomeric and thermoplastic insulated cables	November, 2021	-	Modified/Technically Equivalent
3	IS 10810 (Part 0) : 1984 <i>Reviewed In : 2021</i>	Methods of test or cables	November, 2021	-	Indigenous
4	IS 10810 (Part 1) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 1 annealing test for wires used as conductors	November, 2021	-	Indigenous
5	IS 10810 (Part 2) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 2 tensile test for aluminium wires	November, 2021	-	Indigenous
6	IS 10810 (Part 3) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 3 wrapping test - For aluminium wires	November, 2021	-	Indigenous
7	IS 10810 (Part 4) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 4 persulphate test of conductor	November, 2021	-	Indigenous
8	IS 10810 (Part 5) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 5 conductor resistance test	November, 2021	-	Indigenous
9	IS 10810 (Part 6) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 6 thickness of thermoplastic and elastomeric insulation and sheath	November, 2021	-	Indigenous
10	IS 10810 (Part 7) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 7 tensile strength and elongation at break of thermoplastic and elastomeric insulation and sheath	November, 2021	-	Indigenous
11	IS 10810 (Part 8) : 1984 <i>Reviewed In : 2021</i>	Methods of test for cables: Part 8 breaking strength and elongation at break for impregnated paper insulation	November, 2021	-	Indigenous
12	IS 10810 (Part 9) :	Methods of test for cables: Part 9	November, 2021	-	Indigenous

	1984 Reviewed In : 2021	tear resistance for paper insulation			
13	IS 10810 (Part 10) : 1984 Reviewed In : 2021	Methods of test for cables: Part 10 loss of mass test	November, 2021	-	Indigenous
14	IS 10810 (Part 11) : 1984 Reviewed In : 2021	Methods of test for cables: Part 11 thermal ageing in air	November, 2021	-	Indigenous
15	IS 10810 (Part 12) : 1984 Reviewed In : 2021	Methods of test for cables: Part 12 shrinkage test	November, 2021	-	Indigenous
16	IS 10810 (Part 13) : 1984 Reviewed In : 2021	Methods of test for cables: Part 13 ozone resistance test	November, 2021	-	Indigenous
17	IS 10810 (Part 14) : 1984 Reviewed In : 2021	Methods of test for cables: Part 14 heat shock test	November, 2021	-	Indigenous
18	IS 10810 (Part 15) : 1984 Reviewed In : 2021	Methods of test for cables: Part 15 hot deformation test	November, 2021	-	Indigenous
19	IS 10810 (Part 16) : 1986 Reviewed In : 2021	Methods of test for cables: Part 16 accelerated ageing test by oxygen pressure method	November, 2021	-	Indigenous
20	IS 10810 (Part 17) : 1986 Reviewed In : 2021	Methods of test for cables: Part 17 tear resistance test for heavy duty sheath	November, 2021	-	Indigenous
21	IS 10810 (Part 19) : 1984 Reviewed In : 2021	Methods of test for cables: Part 19 bleeding and blooming test	November, 2021	-	Indigenous
22	IS 10810 (Part 20) : 1984 Reviewed In : 2021	Methods of test for cables: Part 20 cold bend test	November, 2021	-	Indigenous
23	IS 10810 (Part 21) : 1984 Reviewed In : 2021	Methods of test for cables: Part 21 cold impact test	November, 2021	-	Indigenous
24	IS 10810 (Part 22) : 1984 Reviewed In : 2021	Methods of test for cables: Part 22 vicat softening point	November, 2021	-	Indigenous
25	IS 10810 (Part 23) : 1984 Reviewed In : 2021	Methods of test for cables: Part 23 melt - Flow index	November, 2021	-	Indigenous
26	IS 10810 (Part 24) : 1984 Reviewed In : 2021	Methods of test for cables: Part 24 water soluble impurities test of insulating paper	November, 2021	-	Indigenous
27	IS 10810 (Part 25) : 1984 Reviewed In : 2021	Methods of test for cables: Part 25 conductivity of water extract test of insulating paper	November, 2021	-	Indigenous
28	IS 10810 (Part 26) : 1984 Reviewed In : 2021	Methods of test for cables: Part 26 PH value of water extract test of insulating paper	November, 2021	-	Indigenous
29	IS 10810 (Part 27) : 1984 Reviewed In : 2021	Methods of test for cables: Part 27 ash content test of insulating paper	November, 2021	-	Indigenous
30	IS 10810 (Part 28) : 1984 Reviewed In : 2021	Methods of test for cables: Part 28 water absorption test (Electrical)	November, 2021	-	Indigenous
31	IS 10810 (Part 29) : 1984 Reviewed In : 2021	Methods of test for cables: Part 29 environmental stress cracking test	November, 2021	-	Indigenous

32	IS 10810 (Part 30) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 30 hot set test	November, 2021	-	Indigenous
33	IS 10810 (Part 31) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 31 oil resistance test	November, 2021	-	Indigenous
34	IS 10810 (Part 32) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 32 carbon content test for polyethylene	November, 2021	-	Indigenous
35	IS 10810 (Part 33) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 33 water absorption test (Gravimetric)	November, 2021	2	Indigenous
36	IS 10810 (Part 34) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 34 measurement of thickness of metallic sheath	November, 2021	-	Indigenous
37	IS 10810 (Part 35) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 35 determination of tin in lead alloy for	November, 2021	-	Indigenous
38	IS 10810 (Part 36) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 36 dimensions of armouring material	November, 2021	-	Indigenous
39	IS 10810 (Part 37) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 37 tensile strength and elongation at break of armouring materials	November, 2021	-	Indigenous
40	IS 10810 (Part 38) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 38 torsion test on galvanized steel wires for armouring	November, 2021	-	Indigenous
41	IS 10810 (Part 39) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 39 winding test on galvanized steel strips for armouring	November, 2021	-	Indigenous
42	IS 10810 (Part 40) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 40 uniformity of zinc coating on steel armour	November, 2021	1	Indigenous
43	IS 10810 (Part 41) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 41 mass of zinc coating on steel armour	November, 2021	-	Indigenous
44	IS 10810 (Part 42) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test - For cables: Part 42 resistivity test of armour wires and strips and conductance test of armour (Wires strips)	November, 2021	1	Indigenous
45	IS 10810 (Part 43) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 43 insulation resistance	November, 2021	-	Indigenous
46	IS 10810 (Part 44) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 44 spark test	November, 2021	-	Indigenous
47	IS 10810 (Part 45) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 45 high voltage test	November, 2021	-	Indigenous
48	IS 10810 (Part 46) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 48 partial discharge test	November, 2021	-	Indigenous
49	IS 10810 (Part 47) : 1984 <a href="#">Reviewed In : 2020</a>	Methods of test for cables: Part 47 impulse test	March, 2020	1	Indigenous
50	IS 10810 (Part 48) : 1984 <a href="#">Reviewed In : 2021</a>	Methods of test for cables: Part 48 dielectric power factor test	November, 2021	-	Indigenous
51	IS 10810 (Part 49) :	Methods of test for cables: Part 49	November, 2021	-	Indigenous

	1984 Reviewed In : 2021	heating cycle test			
52	IS 10810 (Part 50) : 1984 Reviewed In : 2021	Methods of test for cables: Part 50 bending test	November, 2021	-	Indigenous
53	IS 10810 (Part 51) : 1984 Reviewed In : 2021	Methods of test for cables: Part 51 dripping test	November, 2021	-	Indigenous
54	IS 10810 (Part 53) : 1984 Reviewed In : 2021	Methods of test for cables: Part 53 flammability test	November, 2021	-	Indigenous
55	IS 10810 (Part 54) : 1984 Reviewed In : 2021	Methods of test for cables: Part 54 static flexibility test	November, 2021	-	Indigenous
56	IS 10810 (Part 55) : 1986 Reviewed In : 2021	Methods of test for cables: Part 55 abrasion test	November, 2021	-	Indigenous
57	IS 10810 (Part 56) : 1987 Reviewed In : 2017	Methods of test for cables: Part 56 accelerated ageing test by air pressure method		-	Indigenous
58	IS 10810 (Part 57) : 1987 Reviewed In : 2017	Methods of test for cables apart 57 flexing test		-	Indigenous
59	IS 10810 (Part 58) : 1998 Reviewed In : 2019 IEC 20C (C.O.) 3	Method of tests for cables:Part 58 oxygen index test		-	Modified/Technically Equivalent
60	IS 10810 (Part 59) : 1988 Reviewed In : 2020	Part 59 determination of the amount of halogen acid gas evolved during combustion of polymeric materials taken from cables	March, 2020	1	Indigenous
61	IS 10810 (Part 60) : 1988 Reviewed In : 2020	Methods of test for cables: Part 60 thermal stability of PVC insulation and sheath	March, 2020	1	Indigenous
62	IS 10810 (Part 61) : 1988 Reviewed In : 2020	Methods of test for cables: Part 61 flame retardant test	March, 2020	1	Indigenous
63	IS 10810 (Part 62) : 1993 Reviewed In : 2019	Method of tests for cables: Part 62 flame retardance test for bunched cables	April, 2019	-	Indigenous
64	IS 10810 (Part 63) : 1993 Reviewed In : 2019	Method of tests for cables: Part 63 measurement of smoke density of electric cables under fire conditions	April, 2019	-	Indigenous
65	IS 10810 (Part 64) : 2003 Reviewed In : 2022	Methods of test for cables: Part 64 measurement of temperature index	February, 2022	-	Indigenous
66	IS 10877 : 1984 Reviewed In : 2021	Dimensions for moulds for cast resin based indoor terminations for cables for working voltages from 3 - 3 kv up to and including 11 kV	November, 2021	-	Indigenous
67	IS 11979 : 1987 Reviewed In : 2017	Dimensions for moulds for cast resin based straight through joints for cables for working voltages from 3.3 kV up to and including 11 kV		-	Indigenous
68	IS 1255 : 1983 Reviewed In : 2016	Code of practice for installation and maintenance of power cables up to and including 33 kV rating	November, 2016	1	Indigenous

		(Second Revision)			
69	IS 12909 : 1990 Reviewed In : 2020	Power cables - Dimensions for moulds for cast resin based outdoor terminations for voltages above 1 100volts and up to and including 11000 volts	March, 2020	-	Indigenous
70	IS 12943 : 1990 Reviewed In : 2020	Brass glands for PVC cables - Specification	March, 2020	-	Indigenous
71	IS 13573 (Part 1) : 2011 Reviewed In : 2016 BS EN 50393 : 2006	Cable accessories for extruded power cables - Specification: Part 1 for working voltages from 1.1 kV up to and including 3.3 kV(E) - Test methods and test requirements (First Revision)	December, 2016	-	Modified/Technically Equivalent
72	IS 13573 (Part 2) : 2011 Reviewed In : 2021 IEC 60502-4 : 2005	Cable accessories for extruded power cables - Specification: Part 2 for working voltages from 3.3 kV(Ue) up to and including 33 kV(E) - Test requirements (First Revision)	November, 2021	-	Modified/Technically Equivalent
73	IS 13573 (Part 3) : 2011 Reviewed In : 2024 IEC 61442 : 2005	Cable accessories for extruded power cables - Specification: Part 3 for working voltages from 3.3 kV(UE) up to and including 33 KV(E) - Test methods (First Revision)	May, 2024	-	Modified/Technically Equivalent
74	IS 13705 : 1993 Reviewed In : 2024 Reaffirmed but not taken up for revision	Transition joints of cables for working voltages from 11 kV up to and including 33kV - Performance requirements and type tests	May, 2024	-	Indigenous
75	IS 14255 : 1995 Reviewed In : 2020	Aerial bunched cables - For working voltages up to and including 1100 Volts - Specification	March, 2020	1	Indigenous
76	IS 14494 : 2019 Reviewed In : 2024	Elastomer insulated flexible cables for use in mines - Specification (First Revision)	May, 2024	-	Indigenous
77	IS 1554 (Part 1) : 1988 Reviewed In : 2020 IEC Pub 502 ( 1983 )	Specification for pvc insulated (Heavy Duty) electric cables: Part 1 for working voltages up to and including 1100 v (Third Revision)	February, 2020	5	Modified/Technically Equivalent
78	IS 1554 (Part 2) : 1988 Reviewed In : 2020 IEC Pub 502 ( 1983 )	Specification for pvc insulated (Heavy Duty) electric cables: Part 2 for working voltages from 3.3 kV up to and including 11 kV (Second Revision)	March, 2020	4	Modified/Technically Equivalent
79	IS 16246 : 2015 Reviewed In : 2020 IEC 60331-11 : 2009, IEC 60331-21 : 1999	Elastomer insulated cables with limited circuit integrity when affected by fire - Specification	November, 2020	1	Modified/Technically Equivalent
80	IS 16269 : 2018 Reviewed In : 2024	Recommended Short Circuit Ratings of Electric Cables with Rated Voltage from 1.1 kV to 220 kV " Specification	May, 2024	-	Indigenous
81	IS 17048 : 2018	Halogen free flame retardant	May, 2024	1	Modified/Technically

	Reviewed In : 2024 IEC 60092-360 : 2014, IEC 60227 (all parts), IEC 60684-2 : 2011	(HFFR) cables for working voltages up to and including 1 100 Volts - Specification			Equivalent
82	IS 17293 : 2020	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V d.c.		-	Indigenous
83	IS 17505 (Part 1) : 2021	Specification for Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when Affected by Fire for Working Voltages upto and including 1100 Vac and 1500 Vdc		1	Indigenous
84	IS 2465 : 1984 Reviewed In : 2021	Specification for cables for motor vehicles (Second Revision)	November, 2021	1	Indigenous
85	IS 2593 : 2023	Flexible Cables for Miners' Cap Lamps i <sub>c</sub> ½ Specification (Second Revision)		-	Indigenous
86	IS 3961 : 2016	Recommended Current Ratings for Cables Part 6 Crosslinked Polyethylene Insulated PVC Sheathed Cables		-	Indigenous
87	IS 3961 (Part 2) : 2017 Reviewed In : 2024	Recommended current ratings for cables: Part 2 pvc insulated and pvc sheathed heavy duty cables (First Revision)	April, 2024	-	Indigenous
88	IS 3961 (Part 3) : 1968 Reviewed In : 2021 IEE Regulations for the Electrical Equipment of Buildings of Institution of the Electrical Engineers	Recommended current ratings for cables: Part 3 rubber insulated cables	November, 2021	1	Modified/Technically Equivalent
89	IS 3961 (Part 5) : 1968 Reviewed In : 2021	Recommended current ratings for cables: Part 5 pvc insulated light duty cables	November, 2021	-	Indigenous
90	IS 3961 (Part 6) : 2016 Reviewed In : 2024	Recommended Current Ratings for Cables Part 6 Crosslinked Polyethylene Insulated PVC Sheathed Cables	May, 2024	-	Indigenous
91	IS 3961 (Part 7) : 2017 Reviewed In : 2024	Recommended current ratings for cables: Part 7 crosslinked polyethylene insulated thermoplastic sheathed cables	April, 2024	-	Indigenous
92	IS 4289 (Part 1) : 1984 Reviewed In : 2021 IEC Publication 245-5	Specification for flexible cables for lifts and other flexible connections: Part 1 elastomer insulated cables (First Revision)	November, 2021	-	Modified/Technically Equivalent
93	IS 4289 (Part 2) : 2000 Reviewed In : 2020 IEC Publication 60227-6(1985)	Flexible cables for lifts and other flexible connections - Specification: Part 2 pvc insulated circular cables	March, 2020	-	Modified/Technically Equivalent

94	IS 5819 : 1970 Reviewed In : 2021	Recommended short - Circuit ratings of high voltage PVC cables	November, 2021	-	Indigenous
95	IS 5831 : 1984 Reviewed In : 2021 IEC Publication 502 ( 1983 )	Specification for PVC insulation and sheath of electric cables (First Revision)	November, 2021	2	Modified/Technically Equivalent
96	IS 5950 : 1984 Reviewed In : 2021 NCB, Specification No. 115-1975	Specification for shot firing cables (For Use Other Than In Shafts) (First Revision)	November, 2021	-	Modified/Technically Equivalent
97	IS 6380 : 1984 Reviewed In : 2021 IEC Pub 502 (1983)	Specification for elastomeric insulation and sheath of electric cables (First Revision)	November, 2021	1	Modified/Technically Equivalent
98	IS 694 : 2010 Reviewed In : 2020 IEC 60227-1 (2007-10) Ed. 3.0, IEC 60227-2 (2003-04) Ed. 2.1, IEC 60227-2-am1 (2003-03) Ed. 2.0, IEC	Polyvinyl chloride insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 1100 V (Fourth Revision)	March, 2020	4	Modified/Technically Equivalent
99	IS 7093 : 1973	Specification for straight through joint boxes and lead sleeves for paper insulated lead sheathed cables up to and including 11 kV		-	Indigenous
100	IS 7098 (Part 1) : 1988 Reviewed In : 2020 IEEe Public:ation ~02 (1983)	Specification for crosslinked polyethylene insulated pvc sheathed cables: Part 1 for working voltages up to and including 1100 volts (First Revision)	March, 2020	5	Modified/Technically Equivalent
101	IS 7098 (Part 2) : 2011 Reviewed In : 2021 IEC 60502-2 (2005)	Crosslinked polyethylene insulated thermoplastic sheathed cables - Specification: Part 2 for working voltages from 3.3 kV up to and including 33 kV (Second Revision)	November, 2021	2	Modified/Technically Equivalent
102	IS 7098 (Part 3) : 1993 Reviewed In : 2019	Cross - Linked polyethylene insulated thermoplastic sheathed cables - Specification: Part 3 for working voltages from 66 kV up to and including 220 kV	December, 2019	4	Indigenous
103	IS 8130 : 2013 Reviewed In : 2018 IEC 60228 (2004)	Conductors for insulated electric cables and flexible cords - Specification (Second Revision)	October, 2018	2	Modified/Technically Equivalent
104	IS 8308 : 1993 Reviewed In : 2019	Compression type tubular in - Line connectors for aluminium conductors of insulated cables - Specification (First Revision)		-	Indigenous
105	IS 8309 : 1993 Reviewed In : 2019	Compression type tubular terminal ends for aluminium conductors of insulated cables - Specification (First Revision)		1	Indigenous
106	IS 8337 : 1976 Reviewed In : 2020 BS 4579 : Part 1 : 1970 DOC : 73/ 288%6 DC Draft British Standard	Specification for performance requirements of compression joints of aluminium conductors in insulated cables	March, 2020	1	Modified/Technically Equivalent
107	IS 8394 : 1977	Specification for soldering and		2	Indigenous

	Reviewed In : 2017	welding type terminal ends for conductors of insulated cables			
108	IS 8438 : 1987 Reviewed In : 2017	Specification for moulds for cast resin based straight through joints for cables for voltages up to and including 1100 volts (First Revision)		-	Indigenous
109	IS 9553 : 1987 Reviewed In : 2017	Specification for moulds suitable for cast resin based terminations for cables for voltages up to and including 1 100 v (First Revision)		-	Indigenous
110	IS 9646 : 1992 Reviewed In : 2019	Moulds suitable for cast resin - Based joints for cables for voltages up to and including 1100 V - Specification (First Revision)	April, 2019	-	Indigenous
111	IS 9857 : 1990 Reviewed In : 2020 IEC Pub 245-6	Welding cables - Specification (First Revision)	March, 2020	1	Modified/Technically Equivalent
112	IS 9968 (Part 1) : 1988 Reviewed In : 2020	Specification for elastomer insulated cables: Part 1 for working voltages up to and including 1100 volts (First Revision)	March, 2020	3	Indigenous
113	IS 9968 (Part 2) : 2002 Reviewed In : 2017	Specification for elastomer - Insulated cables: Part 2 for working voltages from 3.3 kV up to and including 33 kV (First Revision)		2	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	ETD 9 (24344)	THERMAL SHORT CIRCUIT TEST THROUGH CONDUCTOR METALLIC SHEATH SCREEN ARMOR
2	ETD 9 (25338)	AERIAL BUNCHED CABLES FOR WORKING VOLTAGE UPTO 33KV

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	ETD 9 (24337)	Instrumentation and Control Cables
2	ETD 9 (24440) Revision of: IS 3961:1968	Recommended Current Ratings for Cables Part 3 Rubber Insulated Cables
3	ETD 9 (24441) Revision of: IS 14255:1995	Aerial bunched cables for working Voltages up to and including 1 100 volts Specification First Revision
4	ETD 9 (25316) Revision of: IS 694:2010	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages Up To and Including 1100 V
5	ETD 9 (25317) Revision of: IS 4289:1984	SPECIFICATION FOR FLEXIBLE CABLES FOR LIFTS AND OTHER FLEXIBLE CONNECTIONS PART 1 ELASTOMER INSULATED CABLES
6	ETD 9 (26091) Revision of: IS 9968:1988	Specification for Elastomer Insulated Cables Part 1 for Working Voltages up to and including 1 100 volts Second Revision



### Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
1	ETD 9 (23577) Revision of: IS 9968:1988	SPECIFICATION FOR CROSSLINKED POLYETHYLENE INSULATED THERMOPLASTIC SHEATHED CABLES PART 1 FOR WORKING VOLTAGES UP TO AND INCLUDING 1100 VOLTS

### Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
1	ETD 9 (22546) Revision of: IS 7098:1993	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification Part 3 for working voltages above 33 kV up to and including 400 kV First Revision
2	ETD 9 (24969)	High Voltage Direct Current HVDC Power Transmission - Cables with Extruded Insulation and Their Accessories for Rated Voltages Up to 320 KV for Land Applications - Test Methods and Requirements

### Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	ETD 9 (21551) Revision of: IS 5819:1970	Recommended short-circuit ratings of high voltage PVC cables First Revision
2	ETD 9 (21552) Revision of: IS 5950:1984	Shot Firing Cables for Use Other than in Shafts - Specification Second Revision
3	ETD 9 (21553) Revision of: IS 6380:1984	Elastomeric Insulation and Sheath of Electric Cables - Specification Second Revision

**Total Published Standards:112 Total Standards Under development:14**

### Aspect Wise Report

Product : 32  
Code of Practices : 6  
Methods of Test : 66  
Terminology : 0  
Dimensions : 2  
System Standard : 0  
Safety Standard : 0  
Others : 6  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 1026 : 1984 Reviewed In : 1991	Flexible trailing cables for use in quarries and metalliferous mines
2	IS 1027 : 1968	Paper insulated cables for use in mines
3	IS 10435 (Part 1) : 1983 Reviewed In : 2021	Specification for inverted type cable end boxes for outdoor terminations suitable for paper insulated cables Part 1 belted type multicore cables up to and including 2 kV grade
4	IS 10462 (Part 2) : 1991 Reviewed In : 2021 IEC Publication 55-2	Fictitious calculation method for determination of dimensions of protective covering of cables Part 2 paper insulated cables
5	IS 10606 : 1983 Reviewed In : 2021	Specification for cast iron joint boxes for tee and branch trouser joints suitable for paper insulated cables for voltages up to and including 11 kV
6	IS 10810 (Part 18) : 1984 Reviewed In : 2001	Methods of Test for Cables - Part 18 Colour Fastness to Day Light
7	IS 10810 (Part 52) : 1984	Methods of test for cables Part 52 drainage test

	Reviewed In : 2021	
8	IS 13573 : 1992 Reviewed In : 2008	Joints and Terminations of Polymeric Cables for Working Voltages from 6.6 kV up to and including 33 kV - Performance Requirements and Type Tests
9	IS 14494 : 1998 Reviewed In : 2014 IEC 62351-8:2020	Elastomer insulated flexible cables for use in mines combined revision of IS 691 and IS 1026
10	IS 1596 : 1977	Polyethylene insulated cables for working voltages upto and including 1100 V
11	IS 1753 : 1967	Aluminium conductors for insulated cables
12	IS 2982 : 1965	Copper conductors in insulated cables and cords
13	IS 3035 (Part 1) : 1965	Thermoplastic insulated weatherproof cables Part 1 PVC insulated and PVC sheathed
14	IS 3035 (Part 2) : 1965	Thermoplastic insulated weatherproof cables Part 2 Polyethylene insulated taped or untaped braided and compounded
15	IS 3035 (Part 3) : 1967	Thermoplastic insulated weatherproof cables Part 3 Polyethylene sheathed
16	IS 3961 (Part 1) : 1967 Reviewed In : 2021 IEEE wiring regulations, ERA report F/T 183	Recommended current ratings for cables Part 1 paper - Insulated lead - Sheathed cables
17	IS 3961 (Part 4) : 1968 Reviewed In : 1991	Recommended current ratings for cables Part 4 Polyethylene insulated cables
18	IS 4288 : 1988	PVC insulated heavy duty electric cables with solid aluminium conductors for voltages upto and including 1100 V
19	IS 434 (Part 1) : 1964	Rubber-insulated cables Part 1 With copper conductor
20	IS 434 (Part 2) : 1964	Rubber-insulated cables Part 2 With aluminium conductors
21	IS 4817 : 1968	Rubber-insulated cables for mines
22	IS 5755 : 1970	Mineral insulated aluminium sheathed cables with aluminium conductors
23	IS 5959 (Part 1) : 1970	Polyethylene insulated and PVC sheathed heavy duty electric cables Part 1 For working voltages up to and including 1100 volts
24	IS 5959 (Part 2) : 1970	Polyethylene insulated and PVC sheathed heavy duty electric cables Part 2 For working voltages from 3.3 kV up to and including 11 kV
25	IS 6474 : 1984 Reviewed In : 1991	Polyethylene insulation and sheath of electric cables
26	IS 6554 : 1983 Reviewed In : 2021	Specification for soldering ferrules of straight - Through joints First Revision
27	IS 691 : 1984 Reviewed In : 1991	Flexible Trailing Cables for use in Coal Mines
28	IS 692 : 1994 Reviewed In : 2020	Paper insulated lead sheathed cables for rated voltage up to and including 33 kV - Specification Third Revision
29	IS 693 : 1965	Varnished cambric insulated cables revised

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10418 : 2024	Drums for Electric Cables Specification First Revision
2	IS 11979 : 1987 Reviewed In : 2017	Dimensions for moulds for cast resin based straight through joints for cables for working voltages from 3.3 kV up to and including 11 kV
3	IS 12943 : 1990 Reviewed In : 2020	Brass glands for PVC cables - Specification
4	IS 13705 : 1993	Transition joints of cables for working voltages from 11 kV up to and including 33kV -

	Reviewed In : 2024 Reaffirmed but not taken up for revision	Performance requirements and type tests
5	IS 14255 : 1995 Reviewed In : 2020	Aerial bunched cables - For working voltages up to and including 1100 Volts - Specification
6	IS 1554 (Part 1) : 1988 Reviewed In : 2020 IEC Pub 502 ( 1983 )	Specification for pvc insulated Heavy Duty electric cables Part 1 for working voltages up to and including 1100 v Third Revision
7	IS 1554 (Part 2) : 1988 Reviewed In : 2020 IEC Pub 502 ( 1983 )	Specification for pvc insulated Heavy Duty electric cables Part 2 for working voltages from 3.3 kV up to and including 11 kV Second Revision
8	IS 16246 : 2015 Reviewed In : 2020 IEC 60331-11 : 2009, IEC 60331-21 : 1999	Elastomer insulated cables with limited circuit integrity when affected by fire - Specification
9	IS 17048 : 2018 Reviewed In : 2024 IEC 60092-360 : 2014, IEC 60227 (all parts), IEC 60684-2 : 2011	Halogen free flame retardant HFFR cables for working voltages up to and including 1100 Volts - Specification
10	IS 17293 : 2020	Electric Cables for Photovoltaic Systems for Rated Voltage 1500 V d.c
11	IS 17505 (Part 1) : 2021 IEC 60721-2-7: 2018	Specification for Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low Emission of Smoke and Corrosive Gases when Affected by Fire for Working Voltages upto and including 1100 Vac and 1500 Vdc
12	IS 2465 : 1984 Reviewed In : 2021	Specification for cables for motor vehicles Second Revision
13	IS 2593 : 2023	Flexible Cables for Miners 39 Cap Lamps Specification Second Revision
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