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 -		-	Indigenous
		Specification (First Revision)			
2	IS 10462 (Part	Fictitious calculation method for	November, 2021	-	Modified/Technically
	1):1983	determination of dimensions of			Equivalent
	Reviewed In: 2021	protective coverings of cables: Part			
	IEC Publication 502	1: elastomeric and thermoplastic			
	(1978)	insulated cables			
3	IS 10810 (Part	Methods of test for cables Part 0	November, 2021	-	Indigenous
	0):1984	General			
	Reviewed In: 2021				
4	IS 10810 (Part	Methods of test for cables: Part 1	November, 2021	-	Indigenous
	1):1984	annealing test for wires used as			
	Reviewed In: 2021	conductors			
5	IS 10810 (Part	Methods of test for cables: Part 2	November, 2021	-	Indigenous
	2):1984	tensile test for aluminium wires			
	Reviewed In: 2021				
6	IS 10810 (Part	Methods of test for cables: Part 3	November, 2021	-	Indigenous
	3):1984	wrapping test for aluminium wires			
	Reviewed In: 2021				
7	IS 10810 (Part	Methods of test for cables: Part 4	November, 2021	-	Indigenous
	4):1984	persulphate test of conductor			
	Reviewed In: 2021				
8	IS 10810 (Part	Methods of test for cables: Part 5	November, 2021	-	Indigenous
	5):1984	conductor resistance test			
	Reviewed In: 2021				
9	IS 10810 (Part	Methods of test for cables: Part 6	November, 2021	-	Indigenous
	6):1984	thickness of thermoplastic and			
	Reviewed In: 2021	elastomeric insulation and sheath			
10	IS 10810 (Part	Methods of test for cables: Part 7	November, 2021	-	Indigenous
	7):1984	tensile strength and elongation at			
	Reviewed In: 2021	break of thermoplastic and			
		elastomeric iNsulation and sheath			
11	IS 10810 (Part	Methods of test for cables: Part 8	November, 2021	-	Indigenous
	·	breaking strength and elongation at			
	Reviewed In: 2021	break for impregnated paper			
		insulation			
12	IS 10810 (Part	Methods of test for cables: Part 9	November, 2021	-	Indigenous

Reviewed in : 2021 Methods of test for cables: Part 10 November, 2021 Indigenous	1	9):1984	toon resistance for name insulation		1 1	
13 18 10810 Part Methods of test for cables: Part 10 November, 2021 Indigenous			tear resistance for paper insulation			
10):1984	13		Methods of test for cables: Part 10	November 2021	_	Indigenous
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15 10810 (Part 12):1984 Reviewed In : 2021 Methods of test for cables: Part 12 November, 2021 Indigenous Indigenous String Stri		11):1984	thermal ageing in air			_
12,1984 Reviewed In : 2021 Methods of test for cables: Part 13 November, 2021 Indigenous		Reviewed In: 2021				
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15 108 10 Part		· · · · · · · · · · · · · · · · · · ·	shrinkage test			
13):1984 Reviewed In : 2021						
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15 18 108 10 Part		· · · · · · · · · · · · · · · · · · ·	ozone resistance test			
14):1984 Reviewed In : 2021 Methods of test for cables: Part 15 Rovember, 2021 Rovember In : 2021 Rothods of test for cables: Part 16 Reviewed In : 2021 Rothods of test for cables: Part 17 Rovember, 2021 Rov						
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18		/	heat shock test			
15):1984 Reviewed In : 2021 Robin (Part 17):1986 Reviewed In : 2021 Robin (Part 19):1984 Reviewed In : 2021 Robin (Part 29):1984 Robin (Part 29):1984 Robin (Part 29):1984 Robin (Part 29):1984 Robin (Part 2021) Robin (P	10					Y 11
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15 10810 (Part 16):1986		· · · · · · · · · · · · · · · · · · ·	not deformation test			
16):1986 accelerated ageing test by oxygen Previewed In : 2021 Methods of test for cables: Part 17 tear resistance test for heavy duty sheath 17):1984 Reviewed In : 2021 Methods of test for cables: Part 20 Si 10810 (Part 20):1984 Reviewed In : 2021 Methods of test for cables: Part 20 November, 2021 Indigenous Indi	10		Mathods of test for ashless Part 16	November 2021	+ -	Indianova
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28):1984 water absorption test (Electrical) Reviewed In : 2021 31 IS 10810 (Part 29):1984 water absorption test (Electrical) Electrical November, 2021 - Indigenous environmental stress cracking test						· · · ·
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29):1984 environmental stress cracking test	21		Mathodo of test for called Day 20	November 2021		Indiana
	31			November, 2021	-	maigenous
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32	IS 10810 (Part 30):1984 Reviewed In : 2021	Methods of test for cables: Part 30 hot set test	November, 2021	-	Indigenous
33	IS 10810 (Part 31):1984 Reviewed In : 2021	Methods of test for cables: Part 31 oil resistance test	November, 2021	-	Indigenous
34	IS 10810 (Part 32):1984 Reviewed In : 2021	Methods of test for cables: Part 32 carbon content test for polyethylene	November, 2021	-	Indigenous
35	IS 10810 (Part 33):1984 Reviewed In : 2021	Methods of test for cables: Part 33 water absorption test (Gravimetric)	November, 2021	2	Indigenous
36	IS 10810 (Part 34):1984 Reviewed In : 2021	Methods of test for cables: Part 34 measurement of thickness of metallic sheath	November, 2021	-	Indigenous
37	IS 10810 (Part 35):1984 Reviewed In : 2021	Methods of test for cables: Part 35 determination of tin in lead alloy for	November, 2021	-	Indigenous
38	IS 10810 (Part 36):1984 Reviewed In : 2021	Methods of test for cables: Part 36 dimensions of armouring material	November, 2021	-	Indigenous
39	IS 10810 (Part 37):1984 Reviewed In : 2021	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 Reviewed In : 2021	Methods of test for cables: Part 38 torsion test on galvanized steel wires for armouring	November, 2021	-	Indigenous
41	IS 10810 (Part 39):1984 Reviewed In : 2021	Methods of test for cables: Part 39 winding test on galvanizedsteel strips for armouring	November, 2021	-	Indigenous
42	IS 10810 (Part 40):1984 Reviewed In : 2021	Methods of test for cables: Part 40 uniformity of zinc coating on steel armour	November, 2021	1	Indigenous
43	IS 10810 (Part 41):1984 Reviewed In : 2021	Methods of test for cables: Part 41 mass of zinc coating on steel armour	November, 2021	-	Indigenous
44	IS 10810 (Part 42):1984 Reviewed In : 2021	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 Reviewed In : 2021	Methods of test for cables: Part 43 insulation resistance	November, 2021	-	Indigenous
46	IS 10810 (Part 44):1984 Reviewed In : 2021	Methods of test for cables: Part 44 spark test	November, 2021	-	Indigenous
47	IS 10810 (Part 45):1984 Reviewed In : 2021	Methods of test for cables:Part 45 high voltage test	November, 2021	-	Indigenous
48	IS 10810 (Part 46):1984 Reviewed In : 2021	Methods of test for cables: Part 48 partial dischar6e test	November, 2021	-	Indigenous
49	IS 10810 (Part 47):1984 Reviewed In : 2020	Methods of test for cables: Part 47 impulse test	March, 2020	1	Indigenous
50	IS 10810 (Part 48):1984 Reviewed In : 2021	Ethods of test for cables: Part 48 dielectric power factor test	November, 2021	-	Indigenous
51	IS 10810 (Part	Methods of test for cables: Part 49	November, 2021	-	Indigenous

	49):1984	heating cycle test		1	
	Reviewed In: 2021				
52	IS 10810 (Part	Methods of test for cables: Part 50	November, 2021	=	Indigenous
	50):1984	bending test			
	Reviewed In: 2021				
53	IS 10810 (Part	Methods of test for cables: Part 51	November, 2021	-	Indigenous
	51):1984	dripping test			
	Reviewed In: 2021				
54	IS 10810 (Part	Methods of test for cables: Part 53	November, 2021	-	Indigenous
	53):1984	flammability test			
	Reviewed In: 2021				
55	IS 10810 (Part	Methods of test for cables: Part 54	November, 2021	-	Indigenous
	54):1984	static flexibility test			
	Reviewed In: 2021				
56	IS 10810 (Part	Methods of test for cables: Part 55	November, 2021	-	Indigenous
	55):1986	abrasion test	,		
	Reviewed In: 2021				
57	IS 10810 (Part	Methods of test for cables: Part 56		_	Indigenous
	56):1987	accelerated ageing test by air			
	Reviewed In: 2017	pressure method			
58	IS 10810 (Part	Methods of test for cables apart 57	July, 2025	_	Indigenous
50	57):1987	flexing test	3 diff, 2023		indigenous
	Reviewed In: 2025	l mexing test			
59	IS 10810 (Part	Method of tests for cables:Part 58		_	Modified/Technically
37	58):1998	oxygen index test			Equivalent
	Reviewed In: 2019	oxygen maex test			Equivalent
	IEC 20C (C.O.) 3				
60	IS 10810 (Part	Methods of test for cables Part 59	March, 2020	1	Indigenous
00	59):1988	determination of the amount of	March, 2020	1	margenous
	Reviewed In: 2020	halogen acid gas evolved during			
	Reviewed III . 2020	combustion of polymeric materials			
		taken from cables			
61	IS 10810 (Part	Methods of test for cables: Part 60	March, 2020	1	Indigenous
01	60):1988	thermal stability of PVC insulation	March, 2020	1	margenous
	Reviewed In : 2020	and sheath			
62	IS 10810 (Part	Methods of test for cables: Part 61	March, 2020	1	Indigenous
02	61):1988	flame retardant test	March, 2020	1	margenous
	Reviewed In : 2020	Tianie retardant test			
63	IS 10810 (Part	Method of tests for cables: Part 62	April, 2019		Indigenous
03	62):1993	flame retardance test for bunched	Aprii, 2019	=	indigenous
	Reviewed In : 2019				
64		cables Method of tests for cables: Part 63	April, 2019		To di como co
04	IS 10810 (Part 63):1993		Aprii, 2019	-	Indigenous
	Reviewed In : 2019	measurement of smoke density of electric cables under fire			
	Reviewed III: 2019				
65	IS 10810 (Part	conditions Methods of test for cables: Part 64	February, 2022	+	Indianava
UJ	· ·		reditially, 2022	_	Indigenous
	64):2003	measurement of temperature index			
66	Reviewed In: 2022 IS 10877:1984	Dimensions for moulds for cast	Mayamban 2021		Indiana
66			November, 2021	-	Indigenous
	Reviewed In: 2021	resin based indoor terminations for			
		cables for working voltages from			
67	IS 11979:1987	3.3 kV up to and including 11 kV Dimensions for moulds for cast		+	Indiana
67				-	Indigenous
	Reviewed In: 2017	resin based straight through joints			
		for cables for working voltages			
		from 3.3 kV up to and including 11			
60	IS 1255:1983	kV Code of practice for installation	November, 2016	1	In diameter
		L CODE OF DEACHCE FOR INSTALLATION 1	movember, 2016	1	Indigenous
68	Reviewed In : 2016	and maintenance of power cables			

		up to and including 33 kV rating (Second Revision)			
69	IS 12909:1990 Reviewed In : 2020	Power cables - Dimensions for moulds for cast resin based outdoor terminations for voltages above 1 100 volts and up to and including 1 1000 volts	March, 2020	-	Indigenous
70	IS 12943:1990 Reviewed In : 2020	Brass glands for PVC cables - Specification	March, 2020	-	Indigenous
71	Reviewed In: 2024 BS EN 50393: 2006	1):2011 power cables - Specification: Part 1 for working voltages from 1.1 kV		-	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		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		Transition joints of cables for working voltages from 11 kV up to and including 33 kV - 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 1 100 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 1 100 V (Third Revision)	February, 2020	5	Modified/Technically Equivalent
78		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

	IEC 60092-360 : 2014, IEC 60227 (all parts), IEC 60684-2 :	(HFFR) cables for working voltages up to and including 1 100 Volts - Specification			Equivalent
82	2011 IS 17293:2020	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V		-	Indigenous
83	IS 17505 (Part 1):2021	d.c. 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 1 100 V a.c. and 1 500 V d.c.		1	Indigenous
84	IS 18833:2024 IEC 62895: 2017 IEC 62895: 2017	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		-	Identical under dual numbering
85	IS 2465:1984 Reviewed In : 2021	Specification for cables for motor vehicles (Second Revision)	November, 2021	1	Indigenous
86	IS 2593:2023	Flexible Cables for Miners' Cap Lamps - Specification (Second Revision)		-	Indigenous
87	IS 3961:2016	Recommended Current Ratings for Cables Part 6 Crosslinked Polyethylene Insulated PVC Sheathed Cables		-	Indigenous
88	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
89	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
90	IS 3961 (Part 5):1968 Reviewed In : 2021	Recommended current ratings for cables: Part 5 pvc insulated light duty cables	November, 2021	-	Indigenous
91		Recommended Current Ratings for Cables Part 6 Crosslinked Polyethylene Insulated PVC Sheathed Cables	May, 2024	-	Indigenous
92	IS 3961 (Part 7):2017 Reviewed In : 2024	Recommended current ratings for cables: Part 7 crosslinked polyethylene insulated thermoplastic sheathed cables	April, 2024	-	Indigenous
93	IS 4289 (Part	Specification for flexible cables for lifts and other flexible connections:	November, 2021	-	Modified/Technically Equivalent

	Reviewed In: 2021	Part 1 elastomer insulated cables			1
	IEC Publication 245-5	(First Revision)			
94	IS 4289 (Part 2):2000	Flexible cables for lifts and other flexible connections -	March, 2020	-	Modified/Technically Equivalent
	Reviewed In: 2020	Specification: Part 2 pvc insulated			Equivalent
	IEC Publication	circular cables			
	60227-6(1985)				
95	IS 5819:2024	Recommended short-circuit ratings		-	Indigenous
		of high voltage PVC cables (First			
0.5	XG #024 4004	Revision)) (1101 177 1 1 1 1
96	IS 5831:1984	Specification for PVC insulation	November, 2021	2	Modified/Technically
	Reviewed In: 2021 IEC Publication 502	and sheath of electric cables (First Revision)			Equivalent
	(1983)	Revision)			
97	IS 5950:2024	Shot Firing Cables (for Use Other		_	Indigenous
''	15 5750.2021	than in Shafts) - Specification			margonous
		(Second Revision)			
98	IS 6380:2024	Elastomeric Insulation and Sheath		-	Indigenous
		of Electric Cables - Specification			
		(Second Revision)			
99	IS 694:2010	Polyvinyl chloride insulated	March, 2020	4	Modified/Technically
	Reviewed In: 2020	unsheathed and sheathed			Equivalent
	IEC 60227-1 (2007-10) Ed. 3.0,	cables/cords with rigid and flexible			
	IEC 60227-2	conductor for rated voltages up to and including 1 100 V (Fourth			
	(2003-04) Ed. 2.1,	Revision)			
	IEC 60227-2-am1	rec vision)			
	(2003-03) Ed. 2.0,				
	IEC				
100	IS 7093:1973	Specification for straight through		-	Indigenous
		joint boxes and lead sleeves for			
		paper insulated lead sheathed			
101	IC 7000 (D.)	cables up to and including 11 kV		1	T 1'
101	IS 7098 (Part 1):2025	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables -		-	Indigenous
	1).2023	Specification Part 1 For Working			
		Voltages up to and Including 1 100			
		Volts (Second Revision)			
102	IS 7098 (Part	Specification for crosslinked	March, 2020	5	Indigenous
	1):1988	polyethylene insulated PVC			
	Reviewed In: 2020	sheathed cables: Part 1 for working			
		voltages up to and including 1 100			
100	XG 5000 (D	volts (First Revision)) (1101 177 1 1 1 1
103	IS 7098 (Part	Crosslinked polyethylene insulated	November, 2021	2	Modified/Technically
	2):2011 Reviewed In : 2021	thermoplastic sheathed cables - Specification: Part 2 for working			Equivalent
	IEC 60502-2 (2005)				
		including 33 kV (Second Revision)			
104	IS 7098 (Part	Cross - Linked polyethylene	January, 2025	4	Indigenous
	3):1993	insulated thermoplastic sheathed	, ,		- G
	Reviewed In: 2025	cables - Specification: Part 3 for			
		working voltages from 66 kV up to			
		and including 220 kV			
105	IS 8130:2013	Conductors for insulated electric	August, 2024	2	Modified/Technically
	Reviewed In : 2024	cables and flexible cords -			Equivalent
106	IEC 60228 (2004) IS 8308:1993	Specification (Second Revision) Compression type tubular in - Line		1	Indigenous
100	Reviewed In : 2019	connectors for aluminium		1 -	margenous
	100 100 Wed III . 2019	connectors for ardinimum		1	1

		conductors of insulated cables - Specification (First Revision)		[
107	IS 8309:1993	Compression type tubular terminal		1	Indigenous
	Reviewed In: 2019	ends for aluminium conductors of			
		insulated cables - Specification			
		(First Revision)			
108	IS 8337:1976	Specification for performance	March, 2020	1	Modified/Technically
	Reviewed In: 2020	requirements of compression joints			Equivalent
	BS 4579 : Part 1 :	of aluminium conductors in			
	1970 DOC: 73/	insulated cables			
	288%6 DC Draft				
	British Standard				
109	IS 8394:1977	Specification for soldering and		2	Indigenous
	Reviewed In: 2017	welding type terminal ends for			
		conductors of insulated cables			
110	IS 8438:1987	Specification for moulds for cast		-	Indigenous
	Reviewed In: 2017	resin based straight through joints			
		for cables for voltages up to and			
		including 1 100 volts (First			
		Revision)			
111	IS 9553:1987	Specification for moulds suitable		-	Indigenous
	Reviewed In: 2017	for cast resin based terminations			
		for cables for voltages up to and			
		including 1 100 V (First Revision)			
112	IS 9646:1992	Moulds suitable for cast resin -	April, 2019	-	Indigenous
	Reviewed In: 2019	Based joints for cables for voltages			
		upto and including 1 100 V -			
		Specification (First Revision)			
113	IS 9857:1990	Welding cables - Specification	March, 2020	1	Modified/Technically
	Reviewed In: 2020	(First Revision)			Equivalent
	IEC Pub 245-6				
114	IS 9968 (Part	Specification for elastomer	March, 2020	3	Indigenous
	,	insulated cables: Part 1 for working			
	Reviewed In: 2020	voltages up to and including 1 100			
4:-	¥ Q 00 60 77	volts (First Revision)			Y 11
115	IS 9968 (Part	Elastomer Insulated Cables -		-	Indigenous
	1):2025	Specification Part 1 for Working			
		Voltages up to and including 1100			
116	IC 00(0 /P :	volts (Second Revision)	4 . 2024		Y 1'
116	IS 9968 (Part	Specification for elastomer -	August, 2024	2	Indigenous
		Insulated cables: Part 2 for working			
	Reviewed In: 2024	voltages from 3.3 kV up to and			
		including 33 kV (First Revision)			

Standards under Development

	Projects Approved				
SI. No.	Doc No.	Title			
	No Records Found				

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		
3	ETD 9 (27471)	Method of Tests for Cables Part 66 Determination of the Toxicity Index of the Products from		

Combustion of Specimen of Cable Insulating Sheathing	Specime	of Sp	of Specimen	of Cable Insi	llating Sheath	ing Materials
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	Drafts Standards in WC Stage			
SI. No.	Doc No.	Title		
No Records Found				

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
1	ETD 9 (24337)	Instrumentation and Control Cables
2	ETD 9 (25316)	Polyvinyl Chloride Insulated Unsheathed and Sheathed CablesCords with Rigid and Flexible
		Conductor for Rated Voltages Up To and Including 1100 V
3	ETD 9 (26234)	Cables for Electric Vehicle Charging System
4	ETD 9 (26509)	POLYVINYL CHLORIDE INSULATED SCREENED FLEXIBLE SHEATHED
		CABLESCORDS WITH TWO OR MORE FLEXIBLE CONDUCTOR RATED VOLTAGES UP
		TO AND INCLUDING 1100 V
5	ETD 9 (26510)	PVC insulated Heavy Duty electric cables - Specification Part 1 for working voltages up to and
		including 1100 V
6	ETD 9 (26527)	Polyvinyl Chloride Insulated and Sheathed Flat Cables with Flexible Conductor for Rated Voltages
		up to and including 450 750 V

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
1	ETD 9 (22546) Revision of:	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables - Specification Part 3 for
	IS 7098:1993	Working Voltages above 33 kV up to and including 400 kV
2	ETD 9 (24440) Revision of:	Recommended Current Ratings for Cables Part 3 Rubber Insulated Cables
	IS 3961:1968	
3	ETD 9 (24441) Revision of:	Aerial bunched cables for working Voltages up to and including 1 100 volts - Specification First
	IS 14255:1995	Revision
4	ETD 9 (25317) Revision of:	Flexible Cables for Lifts and other Flexible Connections- Specification Part 1 Elastomer Insulated
	IS 4289:1984	Cables
5	ETD 9 (26511) Revision of:	PVC Insulated Heavy Duty Electric Cables - Specification Part 2 For Working Voltages From 3 3
	IS 1554:1988	kV up to and including 11 kV

Total Published Standards:112 Total Standards Under development:14

Aspect Wise Report

Product: 33

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

SI. No.	IS No. & Year	Title
1	IS 1026:1984	Flexible trailing cables for use in quarries and metalliferous mines
	Reviewed In: 1991	
2	IS 1027:1968	Paper insulated cables for use in mines
3	IS 10435 (Part 1):1983	Specification for inverted type cable end boxes for outdoor terminations suitable for paper
	Reviewed In: 2021	insulated cables Part 1 belted type multicore cables up to and including 2 kV grade
4	IS 10462 (Part 2):1991	Fictitious calculation method for determination of dimensions of protective covering of cables
	Reviewed In: 2021 IEC	Part 2 paper insulated cables
	Publication 55-2	
5	IS 10606:1983	Specification for cast iron joint boxes for tee and branch trouser joints suitable for paper insulated
	Reviewed In: 2021	cables for voltages up to and including 11 kV
6	IS 10810 (Part 18):1984	Methods of Test for Cables - Part 18 Colour Fastness to Day Light
7	Reviewed In: 2001 IS 10810 (Part 52):1984	Mathada of test for sakles Dort 52 during as test
/	Reviewed In : 2021	Methods of test for cables Part 52 drainage test
8	IS 13573:1992	Joints and Terminations of Polymeric Cables for Working Voltages from 6 6 kV up to and
8	Reviewed In : 2008	Including 33 kV - Performance Requirements and Type Tests
9	IS 14494:1998	Elastomer insultated flexible cables for use in mines combined revision of IS 691 and IS 1026
	Reviewed In : 2014 IEC	Emission of instituted the risks of the first and in times combined to risk of its of the risks
	62351-8:2020	
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
4.4	YG 2025 (D. + 2) 4065	
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 Polyethlene sheathed
13	15 5055 (1 art 5).1707	Thermophastic instaltical weatherproof cubies Fart 5 Folyethene sheathed
16	IS 3961 (Part 1):1967	Recommended current ratings for cables Part 1 paper - Insulated lead - Sheathed cables
	Reviewed In: 2021 IEEE	
	wiring regulations, ERA	
	report F/T 183	
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 1 100 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
22	15 5 7 5 5 . 1 7 7 0	Timetal modulos diaminani silvanica vasios with alaminiani 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
<i>2</i> 1	10 0/0/ (1 art 2).17/10	from 3 3 kV up to and including 11 kV
25	IS 6474:1984	Polyethylene insulation and sheath of electric cables
	Reviewed In: 1991	
26	IS 6554:1983	Specification for soldering ferrules of straight - Through joints First Revision
	Reviewed In: 2021	
27	IS 691:1984	Flexible Trailing Cables for use in Coal Mines

	Reviewed In: 1991	
28	IS 692:1994	Paper insulated lead sheathed cables for rated voltage up to and including 33 kV - Specification
	Reviewed In: 2020	Third Revision
29	IS 693:1965	Varnished cambric insulated cables revised

Annexure-II :List of Indian Product Standards

		Amexare-11 .List of maian i roduct Standards
SI. 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	Brass glands for PVC cables - Specification
3	Reviewed In : 2020	brass gianus for PVC cables - specification
4	IS 13705:1993	Transition joints of cables for working voltages from 11 kV up to and including 33 kV -
4	Reviewed In : 2024	Performance requirements and type tests
	Reaffirmed but not taken up	* **
	for revision	
5	IS 14255:1995	Aerial bunched cables - For working voltages up to and including 1 100 Volts - Specification
3		Aeriai bullened cables - For working voltages up to and including 1 100 volts - specification
6	Reviewed In : 2020 IS 1554 (Part 1):1988	Specification for PVC insulated Heavy Duty electric cables Part 1 for working voltages up to and
6	Reviewed In : 2020 IEC	• • • •
		including 1 100 V Third Revision
7	Pub 502 (1983)	Specification for pvc insulated Heavy Duty electric cables Part 2 for working voltages from 3 3
7	IS 1554 (Part 2):1988 Reviewed In : 2020 IEC	
		kV up to and including 11 kV Second Revision
	Pub 502 (1983)	
8	IS 16246:2015	Elastomer insulated cables with limited circuit integrity when affected by fire - Specification
	Reviewed In: 2020 IEC	
	60331-11 : 2009, IEC	
	60331-21 : 1999	
9	IS 17048:2018	Halogen free flame retardant HFFR cables for working voltages up to and including 1 100 Volts - Specification
	Reviewed In: 2024 IEC	1
	60092-360 : 2014, IEC	
	60227 (all parts), IEC	
	60684-2 : 2011	
10	IS 17293:2020	Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 V d c
11	IS 17505 (Part 1):2021	Specification for Thermosetting Insulated Fire Survival Cables for Fixed Installation having Low
	IEC 60721-2-7: 2018	Emission of Smoke and Corrosive Gases when Affected by Fire for Working Voltages upto and
		including 1 100 V a c and 1 500 V d c
12	IS 18833:2024	High Voltage Direct Current HVDC Power Transmission - Cables with Extruded Insulation and
	IEC 62895: 2017	Their Accessories for Rated Voltages Up to 320 kV for Land Applications - Test Methods and
		Requirements
13	IS 2465:1984	Specification for cables for motor vehicles Second Revision
	Reviewed In: 2021	1
14	IS 2593:2023	Flexible Cables for Miners 39 Cap Lamps - Specification Second Revision
15	IC 4290 (Dowt 1):1004	Specification for flexible cables for lifts and other flexible connections Part 1 elastomer insulated
15	IS 4289 (Part 1):1984	*
	Reviewed In: 2021 IEC	cables First Revision
1.6	Publication 245-5	Elayible cobles for lifts and other flexible connections. Creatification Day 2 and in the lift is
16	IS 4289 (Part 2):2000	Flexible cables for lifts and other flexible connections - Specification Part 2 pvc insulated circular
	Reviewed In: 2020 IEC	cables
17	Publication 60227-6(1985)	Chot Eining Cohlas for Hos Other than in Chafter Carrie and David
17	IS 5950:2024	Shot Firing Cables for Use Other than in Shafts - Specification Second Revision

18	IS 694:2010	Polyvinyl chloride insulated unsheathed and sheathed cables cords with rigid and flexible
	Reviewed In: 2020 IEC	conductor for rated voltages up to and including 1 100 V Fourth Revision
	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	
19	IS 7093:1973	Specification for straight through joint boxes and lead sleeves for paper insulated lead sheathed
		cables up to and including 11 kV
20	IS 7098 (Part 1):2025	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables - Specification Part 1 For
	· · · · ·	Working Voltages up to and Including 1 100 Volts Second Revision
21	IS 7098 (Part 2):2011	Crosslinked polyethylene insulated thermoplastic sheathed cables - Specification Part 2 for
	Reviewed In: 2021 IEC	working voltages from 3 3 kV up to and including 33 kV Second Revision
	60502-2 (2005)	g
22	IS 7098 (Part 3):1993	Cross - Linked polyethylene insulated thermoplastic sheathed cables - Specification Part 3 for
	Reviewed In: 2025	working voltages from 66 kV up to and including 220 kV
23	IS 8130:2013	Conductors for insulated electric cables and flexible cords - Specification Second Revision
	Reviewed In: 2024 IEC	
	60228 (2004)	
24	IS 8308:1993	Compression type tubular in - Line connectors for aluminium conductors of insulated cables -
	Reviewed In: 2019	Specification First Revision
25	IS 8309:1993	Compression type tubular terminal ends for aluminium conductors of insulated cables -
	Reviewed In: 2019	Specification First Revision
26	IS 8337:1976	Specification for performance requirements of compression joints of aluminium conductors in
	Reviewed In: 2020 BS	insulated cables
	4579 : Part 1 : 1970 DOC :	
	73/ 288%6 DC Draft	
	British Standard	
27	IS 8394:1977	Specification for soldering and welding type terminal ends for conductors of insulated cables
	Reviewed In: 2017	2
28	IS 8438:1987	Specification for moulds for cast resin based straight through joints for cables for voltages up to
	Reviewed In: 2017	and including 1 100 volts First Revision
29	IS 9553:1987	Specification for moulds suitable for cast resin based terminations for cables for voltages up to an
	Reviewed In: 2017	including 1 100 V First Revision
30	IS 9646:1992	Moulds suitable for cast resin - Based joints for cables for voltages upto and including 1 100 V -
	Reviewed In: 2019	Specification First Revision
31	IS 9857:1990	Welding cables - Specification First Revision
-	Reviewed In: 2020 IEC	G
	Pub 245-6	
32	IS 9968 (Part 1):2025	Elastomer Insulated Cables - Specification Part 1 for Working Voltages up to and including 1100
~ -		volts Second Revision
33	IS 9968 (Part 2):2002	Specification for elastomer - Insulated cables Part 2 for working voltages from 3 3 kV up to and