

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 33 : Winding Wire

Scope: To prepare standards for wires for electrical winding irrespective of conductor material, shape or type of covering taking into account the needs in the fields of electrotechnology

Liaison: **IEC TC-55 (P):** *Winding wires*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11174:1984 <i>Reviewed In : 2024</i> Decision taken to Reaffirm and Archive	Specification for aromatic polyimide paper covered rectangular and square copper wires with temperature index 200	August, 2024	-	Indigenous
2	IS 13730 (Part 0/Sec 1):2018 EC 60317-0-1 : 2013 <i>Reviewed In : 2024</i> <i>IEC 60317-0-1: 2013</i>	Specifications for particular types of winding wires: Part 0 general requirements: Sec 1 enamelled round copper wire (Second Revision)	September, 2024	1	Identical under dual numbering
3	IS 13730 (Part 0/Sec 2):2024 IEC 60317-0-2:2020 <i>IEC 60317-0-2:2020</i>	Particular Types of Winding Wires “ Specifications Part 0 General Requirements Section 2 Enamelled Rectangular Copper Wire (Third Revision)		-	Identical under dual numbering
4	IS 13730 (Part 0/Sec 3):2012 <i>Reviewed In : 2024</i> <i>IEC 60317-0-3</i>	Specifications for particular types of winding wires: Part 0 general requirements: Sec 3 enamelled round aluminium wire (First Revision)	September, 2024	-	Identical under dual numbering
5	IS 13730 (Part 0/Sec 4):2024 IEC 60317-0-4:2020 <i>IEC 60317-0-4:2020</i>	Specification for particular types of winding wires Part 0 General requirements Sec 4 glass - Fibre wound resin or varnish impregnated bare or enamelled rectangular copper wire (Third Revision)		-	Identical under dual numbering
6	IS 13730 (Part 0/Sec 5):2012 EC 60317-0-5 <i>Reviewed In : 2024</i> <i>IEC 60317-0-5</i>	Specifications for particular types of winding wires: Part 0 general requirements: Sec 5 glass - Fibre braided, resin or varnish impregnated, bare or enamelled rectangular copper wire (First Revision)	September, 2024	-	Identical under dual numbering
7	IS 13730 (Part 0/Sec 6):2024 IEC 60317-0-6:2020	Specification for Particular Types of Winding Wires Part 0 General Requirements Section 6 Glass-		-	Identical under dual numbering

	IEC 60317-0-6:2020	Fibre Wound Resin or Varnish Impregnated, Bare or Enamelled Round Copper Wire (First Revision)			
8	IS 13730 (Part 1):1993 Reviewed In : 2024 IEC 60317-1:2010+ AMD1:2024 CSV	Particular types of winding wires: Part 1 Polyvinyl acetal enamelled round copper wire, class 105 (superseeding by IS 4800(Part 4):1968	September, 2024	-	Identical under dual numbering
9	IS 13730 (Part 1):2025 IEC 60317-1:2010+ AMD1:2024 CSV IEC 60317-1:2010+ AMD1:2024 CSV	Specification for Particular Types of Winding Wires Part 1 Polyvinyl Acetal Enamelled Round Copper Wire, Class 105 (Second Revision)		-	Identical under dual numbering
10	IS 13730 (Part 2):2024 IEC 60317-2:2019+ AMD1:2024 CSV IEC 60317-2:2019+ AMD1:2024 CSV	Specifications for particular types of winding wires Part 2 Solderable polyurethane enamelled round copper wire class 130 with a bonding layer		-	Identical under dual numbering
11	IS 13730 (Part 3):2012 IEC 60317-3 Reviewed In : 2024 IEC 60317-3	Specifications for particular types of winding wires: Part 3 polyester enamelled round copper wire, class 155 (First Revision)	September, 2024	-	Identical under dual numbering
12	IS 13730 (Part 4):2018 IEC 60317-4 : 2015 Reviewed In : 2024 IEC 60317-4	Specification for particular types of winding wires: Part 4 solderable polyurethane enamelled round copper wire, class 130, (Second Revision)	September, 2024	-	Identical under dual numbering
13	IS 13730 (Part 5):2018 Reviewed In : 2024 IEC 60317-5	Specification for Particular Types of Winding Wires Part 5 Polyester Enamelled Round Aluminium Wire, Class 155	September, 2024	-	Modified/Technically Equivalent
14	IS 13730 (Part 6):1994 Reviewed In : 2021 Reaffirmed but not taken up for revision IEC 60317-6	Specification for particular types of winding wires: Part 6 oleo - Resinous enamelled round aluminium wire, class 105	March, 2021	-	Modified/Technically Equivalent
15	IS 13730 (Part 8):2014 IEC 60317-8 : 2010 Reviewed In : 2024 IEC 60317-8:2010	Specification for particular types of winding wires: Part 8 polyesterimide enamelled round copper wire, class 180 (First Revision)	September, 2024	-	Identical under dual numbering
16	IS 13730 (Part 9):1994 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-9	Specification for particular types of winding wires: Part 9 polyester enamelled round aluminium wire, class 138	August, 2024	-	Modified/Technically Equivalent
17	IS 13730 (Part 12):2024 IEC 60317-12:2020 IEC 60317-12:2020	Particular types of winding wires - Specification Part 12 Polyvinyl acetal enamelled round copper wire class 120 (First Revision)		-	Identical under dual numbering
18	IS 13730 (Part 13):2014	Specifications for particular types of winding wires: Part 13 polyester	September, 2024	-	Identical under dual numbering

	IEC 60317-13 : 2010 Reviewed In : 2024 IEC 60317-13 : 2010	or polyesterimide overcoated with polyamide - Imide enamelled round copper wire, class 200 (First Revision)			
19	IS 13730 (Part 15):1994 IEC 60317-15 Reviewed In : 2021 Reaffirmed but not taken up for revision IEC 60317-15 : 2010	Particular types of winding wires: Part 15 polyesterimide enamelled round aluminium wire, class 180	March, 2021	-	Modified/Technically Equivalent
20	IS 13730 (Part 16):1996 IEC 60317-16 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-16	Specifications for particular types of winding wires: Part 16 polyester enamelled rectangular copper wire class 155	September, 2024	1	Identical under dual numbering
21	IS 13730 (Part 17):2024 IEC 60317-17:2020 IEC 60317-17:2020	Specification for particular types of winding wires Part 17 Polyvinyl acetal enamelled rectangular copper wire class 105 (SECOND REVISION)		-	Identical under dual numbering
22	IS 13730 (Part 20):2018 IEC 60317-20 : 2013 Reviewed In : 2024 IEC 60317-20	Specifications for particular types of winding wires: Part 20 solderable polyurethane enamelled round copper wire, class 155 (Second Revision)	September, 2024	1	Identical under dual numbering
23	IS 13730 (Part 21):2017 IEC 60317-21 : 2013 Reviewed In : 2024 IEC 60317-21:2013	Specifications for particular types of winding wires: Part 21 solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155	September, 2024	1	Identical under dual numbering
24	IS 13730 (Part 23):2017 IEC 60317-23 : 2013 Reviewed In : 2024 IEC 60317-23:2013	Specifications for particular types of winding wires: Part 23 solderable polyesterimide enamelled round copper wire, class 180	September, 2024	1	Identical under dual numbering
25	IS 13730 (Part 25):2024 IEC 60317-25:2020 IEC 60317-25:2020	Particular Types of Winding Wires - Specification Part 25 Polyester or Polyesterimide Overcoated with Polyamide-Imide Enamelled Round Aluminium Wire, Class 200 (First Revision)		-	Identical under dual numbering
26	IS 13730 (Part 26):1996 IEC 60317-26 Reviewed In : 2018 Reaffirmed but not taken up for revision IEC 60317-26	Specifications for particular types of winding wires: Part 26 polyamide - Imide enamelled round copper wire, class 200	June, 2018	1	Identical under dual numbering
27	IS 13730 (Part 27):2018 IEC 60317-27 : 2013 Reviewed In : 2024 IEC 60317-27	Specifications for Particular Types of Winding Wires Part 27 Paper Tape Covered Rectangular Copper Wire (First Revision)	September, 2024	-	Identical under dual numbering
28	IS 13730 (Part 27/Sec 1):2025 IEC 60317-27-1:202	Specifications for particular types of winding wires Part 27 Paper tape covered Section 1 Round		-	Identical under dual numbering

	0+AMD1:2024 CSV IEC 60317-27-1:2020+AMD1:2024 CSV	copper wire			
29	IS 13730 (Part 27/Sec 2):2025 IEC 60317-27-2:2020+AMD1:2024 CSV IEC 60317-27-2:2020+AMD1:2024 CSV	Particular Types of Winding Wires i _c 1/2 Specification Part 27 Paper Tape Covered Section 2 Round Aluminium Wire		-	Identical under dual numbering
30	IS 13730 (Part 27/Sec 3):2025 IEC 60317-27-3:2019+AMD1:2024 CSV IEC 60317-27-3:2019+AMD1:2024 CSV	Specifications for particular types of winding wires Part 27 Paper tape covered Section 3 Rectangular copper wire		-	Identical under dual numbering
31	IS 13730 (Part 27/Sec 4):2025 IEC 60317-27-4:2020+AMD1:2024 CSV IEC 60317-27-4:2020+AMD1:2024 CSV	Specifications for particular types of winding wires Part 27 Paper tape covered Section 4 Rectangular aluminium wire		-	Identical under dual numbering
32	IS 13730 (Part 28):2018 IEC 60317-28 : 2013 Reviewed In : 2024 IEC 60317-28	Specifications for particular types of winding wires: Part 28 polyesterimide enamelled rectangular copper wire, class 180 (First Revision)	September, 2024	-	Identical under dual numbering
33	IS 13730 (Part 29):1996 IEC 60317-29 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-29	Specifications for particular types of winding wires: Part 29 polyester or polyesterimide overcoated with polyamide - Imide enamelled rectangular copper wire, class 200	September, 2024	1	Identical under dual numbering
34	IS 13730 (Part 31):2018 IEC 60317-31 : 2015 Reviewed In : 2024 IEC 60317-31	Specifications for particular types of winding wires: Part 31 glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (First Revision)	September, 2024	-	Identical under dual numbering
35	IS 13730 (Part 32):2018 IEC 60317-32 : 2015 Reviewed In : 2024 IEC 60317-32	Specifications for particular types of winding wires: Part 32 glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (First Revision)	September, 2024	-	Identical under dual numbering
36	IS 13730 (Part 33):2018 IEC 60317-33 : 2015 Reviewed In : 2024 IEC 60317-33	Specifications for particular types of winding wires: Part 33 glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (First Revision)	September, 2024	-	Identical under dual numbering
37	IS 13730 (Part	Specifications for particular types	March, 2021	-	Identical under dual

	34):2000 IEC 60317-34 Reviewed In : 2021 IEC 60317-34	of winding wires: Part 34 polyester enamelled round copper wire, class 130 L (First Revision)			numbering
38	IS 13730 (Part 35):2017 IEC 60317-35 : 2013 Reviewed In : 2024 IEC 60317-35:2013	Specifications for particular types of winding wires: Part 35 solderable polyurethane enamelled round copper wire, class 155, with a bonding layer	January, 2024	1	Identical under dual numbering
39	IS 13730 (Part 36):2017 IEC 60317-36 : 2013 Reviewed In : 2024 IEC 60317-36:2013	Specifications for particular types of winding wires: Part 36 solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer	September, 2024	1	Identical under dual numbering
40	IS 13730 (Part 37):2017 IEC 60317-37 : 2013 Reviewed In : 2024 IEC 60317-37:2013	Specifications for particular types of winding wires: Part 37 polyesterimide enamelled round copper wire, class 180, with a bonding layer	September, 2024	-	Identical under dual numbering
41	IS 13730 (Part 38):2018 IEC 60317-38 : 2013 Reviewed In : 2024 IEC 60317-38	Specifications for particular types of winding wires: Part 38 polyester or polyesterimide overcoated with polyamide - Imide, enamelled round copper wire, class 200, with a bonding layer	September, 2024	-	Identical under dual numbering
42	IS 13730 (Part 39):2018 IEC 60317-39 : 2015 Reviewed In : 2024 IEC 60317-39	Specifications for particular types of winding wires: Part 39 glass - Fibre braided resin or varnish - Impregnated, bare or enamelled rectangular copper wire, temperature index 180 (First Revision)	September, 2024	-	Identical under dual numbering
43	IS 13730 (Part 43):2013 IEC 60317-43 Reviewed In : 2024 IEC 60317-43	Specification for particular types of winding wires: Part 43 aromatic polyimide tape wrapped round copper wire, class 240 (First Revision)	September, 2024	-	Identical under dual numbering
44	IS 13730 (Part 44):2013 IEC 60317-44 Reviewed In : 2024 IEC 60317-44	Specification for particular types of winding wires: Part 44 aromatic polyimide tape wrapped rectangular copper wire, class 240 (First Revision)	September, 2024	-	Identical under dual numbering
45	IS 13730 (Part 45):1999 IEC 60317-45 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-45	Specifications for particular types of winding wires: Part 45 polyester enamelled round copper wire, class 130	June, 2024	-	Identical under dual numbering
46	IS 13730 (Part 46):2017 IEC 60317-46 : 2013 Reviewed In : 2024 IEC 60317-46:2013	Specifications for particular types of winding wires: Part 46 aromatic polyimide enamelled round copper wire, class 240	September, 2024	-	Identical under dual numbering
47	IS 13730 (Part 47):2017 IEC 60317-47 : 2013 Reviewed In : 2024 IEC 60317-47:2013	Specifications for particular types of winding wires: Part 47 aromatic polyimide enamelled rectangular copper wire, class 240	September, 2024	-	Identical under dual numbering

48	IS 13730 (Part 48):2018 IEC 60217-48 : 2012 Reviewed In : 2024 IEC 60317-48	Specifications for particular types of winding wires: Part 48 glass - Fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155 (First Revision)	September, 2024	-	Identical under dual numbering
49	IS 13730 (Part 49):2018 IEC 60317-49 : 2012 Reviewed In : 2024 IEC 60317-49	Specifications for particular types of winding wires: Part 49 glass - Fibre wound, high temperature resin or varnish - Impregnated, bare or enamelled round copper wire, class 180 (First Revision)	September, 2024	-	Identical under dual numbering
50	IS 13730 (Part 50):2018 IEC 60317-50 : 2012 Reviewed In : 2024 IEC 60317-50	Specifications for particular types of winding wires: Part 50 glass - Fibre wound, silicone resin or varnish impregnated, bare or enamelled round copper wire, class 200 (First Revision)	September, 2024	-	Identical under dual numbering
51	IS 13730 (Part 53):2018 IEC60317-53 : 2014 Reviewed In : 2024 IEC60317-53	Specifications for particular types of winding wires: Part 53 aromatic polyimide (Aramid) tape wrapped rectangular copper wire, temperature index 220 (First Revision)	September, 2024	-	Identical under dual numbering
52	IS 13730 (Part 57):2025 IEC 60317-57 IEC 60317-57	Specifications for particular types of winding wires - Part 57: Polyamide-imide enameled round copper wire class 220		-	Identical under dual numbering
53	IS 13778 (Part 1):2024 IEC 60851-1:2021 IEC 60851-1:2021	Winding wires - Methods of Test Part 1 General (Second Revision)		-	Identical under dual numbering
54	IS 13778 (Part 2):2013 IEC 60851-2 : 2009 Reviewed In : 2024 IEC 60851-2	Winding wires - Test methods: Part 2 determination of dimensions (First Revision)	September, 2024	1	Identical under dual numbering
55	IS 13778 (Part 3):2024 IEC 60851-3:2023 IEC 60851-3:2023	Winding Wires - Methods of Test Part 3 Mechanical Properties (Second Revision)		-	Identical under dual numbering
56	IS 13778 (Part 4):2018 IEC 60851-4 : 2016 Reviewed In : 2024 IEC 60851-4	Winding wires - Test methods: Part 4 chemical properties (Second Revision)	September, 2024	-	Identical under dual numbering
57	IS 13778 (Part 5):2012 IEC 60851-5 : 2008 Reviewed In : 2024 IEC 60851-5	Winding wires - Test methods: Part 5 electrical properties (First Revision)	September, 2024	1	Identical under dual numbering
58	IS 13778 (Part 6):2018 IEC60851-6 : 2012 Reviewed In : 2024 IEC60851-6	Winding wires - Test methods: Part 6 thermal properties (Second Revision)	September, 2024	-	Identical under dual numbering
59	IS 14841 (Part 2/Sec 1):2000 IEC 60264-2-1	Packaging of winding wires: Part 2 cylindrical barrelled delivery spools: Sec 1 basic dimensions	March, 2021	1	Identical under dual numbering

	Reviewed In : 2021 IEC 60264-2-1				
60	IS 14841 (Part 2/Sec 2):2000 IEC 60264-2-2 Reviewed In : 2021 IEC 60264-2-2	Packaging of winding wires: Part 2 cylindrical barrelled delivery spools: Sec 2 specification for returnable spools made from Thermoplastic materials	March, 2021	1	Identical under dual numbering
61	IS 14841 (Part 3/Sec 1):2000 IEC 60264-3-1 Reviewed In : 2021 IEC 60264-3-1	Packag - Ing of winding wires: Part 3 taper barrelled delivery spools: Sec 1 basic dimensions	March, 2021	-	Identical under dual numbering
62	IS 14841 (Part 3/Sec 2):2000 IEC 60264-3-2 Reviewed In : 2021 IEC 60264-3-2	Packaging of winding wires: Part 3 taper barrelled delivery spools: Sec 2 specification for returnable spools made from Thermoplastic materials	March, 2021	-	Identical under dual numbering
63	IS 14841 (Part 3/Sec 3):2000 Reviewed In : 2021 IEC 60264-3-3	Packaging of winding wires: Part 3 taper barrelled delivery spools: Sec 3 specification for non - Returnable spools made from thermoplastic material	March, 2021	1	Identical under dual numbering
64	IS 14841 (Part 3/Sec 4):2000 Reviewed In : 2024 IEC 60264-3-4	Packaging of winding wires: Part 3 taper barrelled delivery spools: Sec 4 basic dimensions of containers for taper barrelled delivery spools	September, 2024	-	Identical under dual numbering
65	IS 14841 (Part 4/Sec 1):2013 Reviewed In : 2024 IEC 60264-2-1	Packaging of winding wires: Part 4 methods of test: Sec 1 delivery spools made from thermoplastic materials (First Revision)	September, 2024	-	Identical under dual numbering
66	IS 19059:2024	Continuously Transposed Conductor (CTC) Copper Winding Wires		-	Indigenous
67	IS 2069:2025	Drums for covered winding wires and strips for electrical purposes - Specification (Third Revision)		-	Indigenous
68	IS 2069:1991 Reviewed In : 2021	Drums for covered winding wires and strips for electrical purposes - Specification (Second Revision)	March, 2021	-	Indigenous
69	IS 5825:2024 IEC 60172:2020 IEC 60172:2020	Test Procedure for the Determination of the Temperature Index of Enamelled and Tape Wrapped Winding Wires (Third Revision)		-	Identical under dual numbering
70	IS 6162 (Part 1):1971 Reviewed In : 2018 IEC Publication 111 (1959), BS 2627 : 1961	Specification for paper - Covered aluminium conductors: Part 1 round conductors	June, 2018	4	Modified/Technically Equivalent
71	IS 6162 (Part 2):1971 Reviewed In : 2018 B.S. 2776 : Part 2: 1956	Specification for paper covered aluminium conductors: Part 2 rectangular conductors	June, 2018	5	Modified/Technically Equivalent
72	IS 7391 (Part 1):1974 Reviewed In : 2018 IEC Pub	Specification For cotton Covered Copper Conductors : Part 1 round conductors	June, 2018	2	Modified/Technically Equivalent

	182-1(1964)				
73	IS 7391 (Part 2):1974 Reviewed In : 2018	Specification for cotton covered copper conductors: Part 2 rectangular conductors	June, 2018	-	Indigenous
74	IS 7404 (Part 1):1991 Reviewed In : 2021	Paper covered copper conductors - Specification: Part 1 round conductors (First Revision)	March, 2021	-	Indigenous
75	IS 7576:1974 Reviewed In : 2018 BS : 4770 : 197 1	Specification for bunched enamelled copper wires with silk covering	June, 2018	-	Modified/Technically Equivalent
76	IS 8572:1993 Reviewed In : 2018	Paper - Covered flexible/stranded copper conductors for transformer leads - Specification (First Revision)	June, 2018	-	Indigenous
77	IS 8783 (Part 1):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification: Part 1 conductor data (First Revision)	March, 2021	2	Indigenous
78	IS 8783 (Part 2):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification: Part 2 materials for dielectric and jacket (First Revision)	March, 2021	2	Indigenous
79	IS 8783 (Part 3):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification: Part 3 methods of tests (First Revision)	March, 2021	2	Indigenous
80	IS 8783 (Part 4/Sec 1):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification: Part 4 specification for individual wires: Sec 1 HR PVC insulated wires (First Revision)	March, 2021	1	Indigenous
81	IS 8783 (Part 4/Sec 2):1995 Reviewed In : 2021	Winding wires for submersible motors - specification: Part 4 specification for individual wires: Sec 2 crosslinked polyethylene insulated and polyamide jacketed wires (First Revision)	March, 2021	-	Indigenous
82	IS 8783 (Part 4/Sec 3):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification: Part 4 specification for individual wires: Sec 3 polyester and polypropylene insulated winding wires (First Revision)	March, 2021	1	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	ETD 33 (27481) Revision of: IS 11184:1984	ADDITIONAL SPECIFICATIONS FOR ENAMELLED ROUND COPPER WIRES
2	ETD 33 (27859) Revision of: IS 13730:1994	Specifications for particular types of winding wires Part 15 Polyesterimide enamelled round aluminium wire class 180

Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
1	ETD 33 (26788)	Specifications for particular types of winding wires Part 0 General requirements Section 3 Enamelled round aluminium wire Second Revision
2	ETD 33 (26814)	Paper - Covered flexiblestranded copper conductors for transformer leads - Specification Second Revision
3	ETD 33 (27206)	Winding wires for submersible motors - Specification Part 1 conductor data
4	ETD 33 (27209)	Winding wires for submersible motors - Specification Part 2 materials for dielectric and jacket
5	ETD 33 (27212)	Winding wires for submersible motors - Specification Part 3 methods of tests
6	ETD 33 (27213)	Winding wires for submersible motors - Specification Part 4 specification for indmdual wires Sec 1 HR PVC insulated wires
7	ETD 33 (27214)	Winding wires for submersible motors - specification Part 4 specification for individual wires Sec 2 crosslinked polyethylene insulated and polyamide jacketed wires
8	ETD 33 (27215)	Winding wires for submersible motors - Specification Part 4 specification for individual wires Sec 3 polyester and polypropylene insulated winding wires
9	ETD 33 (27374)	Specifications for particular types of winding wires Part 13 polyester or polyesterimide overcoated with polyamide - Imide enamelled round copper wire class 200 First Revision Amendment - 1
10	ETD 33 (27375)	Specification for particular types of winding wires Part 8 polyesterimide enamelled round copper wire class 180 First Revision Amendment - 1
11	ETD 33 (27842)	Particular types of winding wires - Specipication Part 12 Polyvinyl acetal enamelled round copper wire class 120 First Revision Amendment - 1
12	ETD 33 (27843)	Specifications for particular types of winding wires Part 28 polyesterimide enamelled rectangular copper wire class 180 First Revision Amendment - 1
13	ETD 33 (27844)	Specifications for particular types of winding wires Part 37 polyesterimide enamelled round copper wire class 180 with a bonding layer Amendment - 1
14	ETD 33 (27845)	Specifications for particular types of winding wires Part 38 polyester or polyesterimide overcoated with polyamide - Imide enamelled round copper wire class 200 with a bonding layer Amendment - 1
15	ETD 33 (27850)	Specifications for particular types of winding wires Part 46 aromatic polyimide enamelled round copper wire class 240 Amendment - 1
16	ETD 33 (27851)	Specifications for particular types of winding wires Part 47 aromatic polyimide enamelled rectangular copper wire class 240 Amendment - 1

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	ETD 33 (26796) Revision of: IS 7391:1974	Specification for cottoncovered copper conductors Part 1 round conductors
2	ETD 33 (26799) Revision of: IS 7391:1974	Specification for cotton covered copper conductors Part 2 rectangular conductors

Total Published Standards:74 Total Standards Under development:20

Aspect Wise Report

Product : 66
Code of Practices : 0

Methods of Test : 8
Terminology : 0
Dimensions : 4
System Standard : 0
Safety Standard : 0
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10031:1981 Reviewed In : 2015	Taper Barrelled Delivery Spools For Covered Round Electrical Winding Wires
2	IS 10114:1982	Enamelled and varnish bonded glass covered rectangular copper wires
3	IS 10452 (Part 1):1983	Methods of tests for covered conductors for electrical equipment Part 1 Paper covered and cotton covered conductors
4	IS 10452 (Part 2):1983	Methods of tests for covered conductors for electrical equipment Part 2 Fibrous covered conductors
5	IS 11184:1984 Reviewed In : 2021	Specification for enamelled and varnish bonded glass fibre covered round copper wires
6	IS 11395:1985 Reviewed In : 2020	Specification for tape wrapped round copper wires with temperature index 220
7	IS 11597:1986 Reviewed In : 2021	Specification for polyester tape wrapped varnish bonded glass - Fibre covered rectangular copper conductors
8	IS 13343:1992 Reviewed In : 2018	Guide for thermal endurance of enamelled and varnish bonded glass covered rectangular copper conductor
9	IS 13730 (Part 7):1993 Reviewed In : 2013	Articular Types Of Winding Wires Part 7 Polyimide Enamelled Round Copper Wireclass 220 superseeds Is 4800 part 11 1981
10	IS 1594:1960	Metric sizes of copper wires and conductors for electrical purposes
11	IS 1595:1967	Enamelled round copper wire with high mechanical properties
12	IS 1666:1961	Paper-covered rectangular copper conductors for transformer windings
13	IS 2068:1962	Cotton Covered Rectangular Copper Conductors
14	IS 2659:1964	Enamelled round copper wire for elevated temperatures
15	IS 3454:1966	Paper-covered Round Copper Conductors
16	IS 3855 (Part 1):1978	Rectangular and square enamelled copper conductors Part 1 Thickness of enamel coating
17	IS 3855 (Part 2):1979	Rectangular and square enamelled copper conductors Part 2 Methods of tests
18	IS 3855 (Part 3):1978	Rectangular and square enamelled copper conductors Part 3 Wires with high mechanical properties
19	IS 3855 (Part 4):1981	Rectangular and square enamelled copper conductors Part 4 Wires with temperature indes 155
20	IS 3855 (Part 5):1984	Rectangular and square enamelled copper conductors Part 5 Wire with temperature indes 180
21	IS 396:1953	Bare annealed high-conductivity copper wire for electrical machinery and apparatus tentative
22	IS 449:1962	Enamelled high-conductivity annealed round copper wire oleoresinous enamel Revised
23	IS 450:1964	Cotton Covered Round Copper Conductors

24	IS 4685 (Part 1):1968 Reviewed In : 2015	Varnish bonded glass-fibre covered copper conductors Part 1 Round wires
25	IS 4685 (Part 2):1984	Varnish bonded glass-fibre covered copper conductors Part 2 Rectangular conductors
26	IS 4718:1968	Multiple paper-covered round copper conductors
27	IS 4800 (Part 1):1968	Enamelled round winding wires Part 1 Conductors data
28	IS 4800 (Part 2):1968	Enamelled round winding wires Part 2 Maximum overall diameters
29	IS 4800 (Part 3):1968	Enamelled round winding wires Part 3 Methods of tests
30	IS 4800 (Part 4):1968	Enamelled round winding wires Part 4 Wires with high mechanical properties
31	IS 4800 (Part 5):1968	Enamelled round winding wires Part 5 Wires for elevated temperatures
32	IS 4800 (Part 6):1968	Enamelled round winding wires Part 6 Wires with self-fluxing properties
33	IS 4800 (Part 7):1970	Enamelled round winding wires Part 7 Wires with good dielectric properties under humid conditions
34	IS 4800 (Part 8):1970	Enamelled round winding wires Part 8 Wires for use in refrigeration systems
35	IS 4800 (Part 9):1971	Enamelled round winding wires Part 9 Wires with temperature index 180
36	IS 4800 (Part 10):1977	Enamelled round winding wires Part 10 Self bonding wires
37	IS 4800 (Part 11):1981	Enamelled round winding wires Part 11 Wires with temperature index 220
38	IS 4800 (Part 12):1986	Enamelled round winding wires Part 12 Self bonding wires heat or solvent bonding enamelled round copper wires with temperature index 155
39	IS 4800 (Part 13):1989	Enamelled round winding wires Part 13 Dual coated wires with temperature index 200
40	IS 4800 (Part 14):1991	Enamelled round winding wires Part 14 Wires with self fluxing properties and temperature index 155
41	IS 482:1981 Reviewed In : 2015	Reels for Covered Round Electrical Winding Wires
42	IS 6160:1971	Rectangular conductors for electrical machines
43	IS 6181:1971 Reviewed In : 2018 Document 70/3817 Draft British Standard Specification	Specification for varnish bonded glass - Fibre braided rectangular copper conductors
44	IS 7404 (Part 2):1991	Paper covered copper conductors Part 2 Rectangular conductors
45	IS 9148:1979 Reviewed In : 2015	Tape wrapped rectangular and square copper wires with a temperature index of 220
46	IS 9778:1981 Reviewed In : 2021	Guide for evaluation of thermal endurance of varnish bonded glass fibre covered rectangular copper conductors

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 11174:1984 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for aromatic polyimide paper covered rectangular and square copper wires with temperature index 200
2	IS 13730 (Part 0/Sec 1):2018	Specifications for particular types of winding wires Part 0 general requirements Sec 1 enamelled round copper wire Second Revision

	EC 60317-0-1 : 2013 Reviewed In : 2024 IEC 60317-0-1: 2013	
3	IS 13730 (Part 0/Sec 2):2024 IEC 60317-0-2:2020	Particular Types of Winding Wires Specifications Part 0 General Requirements Section 2 Enamelled Rectangular Copper Wire Third Revision
4	IS 13730 (Part 0/Sec 3):2012 Reviewed In : 2024 IEC 60317-0-3	Specifications for particular types of winding wires Part 0 general requirements Sec 3 enamelled round aluminium wire First Revision
5	IS 13730 (Part 0/Sec 4):2024 IEC 60317-0-4:2020	Specification for particular types of winding wires Part 0 General requirements Sec 4 glass - Fibre wound resin or varnish impregnated bare or enamelled rectangular copper wire Third Revision
6	IS 13730 (Part 0/Sec 5):2012 EC 60317-0-5 Reviewed In : 2024 IEC 60317-0-5	Specifications for particular types of winding wires Part 0 general requirements Sec 5 glass - Fibre braided resin or varnish impregnated bare or enamelled rectangular copper wire First Revision
7	IS 13730 (Part 0/Sec 6):2024 IEC 60317-0-6:2020	Specification for Particular Types of Winding Wires Part 0 General Requirements Section 6 Glass-Fibre Wound Resin or Varnish Impregnated Bare or Enamelled Round Copper Wire First Revision
8	IS 13730 (Part 1):2025 IEC 60317-1:2010+AMD1:2024 CSV	Specification for Particular Types of Winding Wires Part 1 Polyvinyl Acetal Enamelled Round Copper Wire Class 105 Second Revision
9	IS 13730 (Part 2):2024 IEC 60317-2:2019+AMD1:2024 CSV	Specifications for particular types of winding wires Part 2 Solderable polyurethane enamelled round copper wire class 130 with a bonding layer
10	IS 13730 (Part 3):2012 IEC 60317-3 Reviewed In : 2024 IEC 60317-3	Specifications for particular types of winding wires Part 3 polyester enamelled round copper wire class 155 First Revision
11	IS 13730 (Part 4):2018 IEC 60317-4 : 2015 Reviewed In : 2024 IEC 60317-4	Specification for particular types of winding wires Part 4 solderable polyurethane enamelled round copper wire class 130 Second Revision
12	IS 13730 (Part 5):2018 Reviewed In : 2024 IEC 60317-5	Specification for Particular Types of Winding Wires Part 5 Polyester Enamelled Round Aluminium Wire Class 155
13	IS 13730 (Part 6):1994 Reviewed In : 2021 Reaffirmed but not taken up for revision IEC 60317-6	Specification for particular types of winding wires Part 6 oleo - Resinous enamelled round aluminium wire class 105
14	IS 13730 (Part 8):2014 IEC 60317-8 : 2010 Reviewed In : 2024 IEC 60317-8:2010	Specification for particular types of winding wires Part 8 polyesterimide enamelled round copper wire class 180 First Revision
15	IS 13730 (Part 9):1994 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-9	Specification for particular types of winding wires Part 9 polyester enamelled round aluminium wire class 138
16	IS 13730 (Part 12):2024	Particular types of winding wires - Specification Part 12 Polyvinyl acetal enamelled round copper

	IEC 60317-12:2020	wire class 120 First Revision
17	IS 13730 (Part 13):2014 IEC 60317-13 : 2010 Reviewed In : 2024 IEC 60317-13 : 2010	Specifications for particular types of winding wires Part 13 polyester or polyesterimide overcoated with polyamide - Imide enamelled round copper wire class 200 First Revision
18	IS 13730 (Part 15):1994 IEC 60317-15 Reviewed In : 2021 Reaffirmed but not taken up for revision IEC 60317-15 : 2010	Particular types of winding wires Part 15 polyesterimide enamelled round aluminium wire class 180
19	IS 13730 (Part 16):1996 IEC 60317-16 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-16	Specifications for particular types of winding wires Part 16 polyester enamelled rectangular copper wire class 155
20	IS 13730 (Part 17):2024 IEC 60317-17:2020	Specification for particular types of winding wires Part 17 Polyvinyl acetal enamelled rectangular copper wire class 105 SECOND REVISION
21	IS 13730 (Part 20):2018 IEC 60317-20 : 2013 Reviewed In : 2024 IEC 60317-20	Specifications for particular types of winding wires Part 20 solderable polyurethane enamelled round copper wire class 155 Second Revision
22	IS 13730 (Part 21):2017 IEC 60317-21 : 2013 Reviewed In : 2024 IEC 60317-21:2013	Specifications for particular types of winding wires Part 21 solderable polyurethane enamelled round copper wire overcoated with polyamide class 155
23	IS 13730 (Part 23):2017 IEC 60317-23 : 2013 Reviewed In : 2024 IEC 60317-23:2013	Specifications for particular types of winding wires Part 23 solderable polyesterimide enamelled round copper wire class 180
24	IS 13730 (Part 25):2024 IEC 60317-25:2020	Particular Types of Winding Wires - Specification Part 25 Polyester or Polyesterimide Overcoated with Polyamide-Imide Enamelled Round Aluminium Wire Class 200 First Revision
25	IS 13730 (Part 26):1996 IEC 60317-26 Reviewed In : 2018 Reaffirmed but not taken up for revision IEC 60317-26	Specifications for particular types of winding wires Part 26 polyamide - Imide enamelled round copper wire class 200
26	IS 13730 (Part 27):2018 IEC 60317-27 : 2013 Reviewed In : 2024 IEC 60317-27	Specifications for Particular Types of Winding Wires Part 27 Paper Tape Covered Rectangular Copper Wire First Revision
27	IS 13730 (Part 27/Sec 1):2025 IEC 60317-27-1:2020+AM D1:2024 CSV	Specifications for particular types of winding wires Part 27 Paper tape covered Section 1 Round copper wire
28	IS 13730 (Part 27/Sec 2):2025 IEC 60317-27-2:2020+AM D1:2024 CSV	Particular Types of Winding Wires Specification Part 27 Paper Tape Covered Section 2 Round Aluminium Wire
29	IS 13730 (Part 27/Sec 3):2025 IEC 60317-27-3:2019+AM D1:2024 CSV	Specifications for particular types of winding wires Part 27 Paper tape covered Section 3 Rectangular copper wire

30	IS 13730 (Part 27/Sec 4):2025 IEC 60317-27-4:2020+AM D1:2024 CSV	Specifications for particular types of winding wires Part 27 Paper tape covered Section 4 Rectangular aluminium wire
31	IS 13730 (Part 28):2018 IEC 60317-28 : 2013 Reviewed In : 2024 IEC 60317-28	Specifications for particular types of winding wires Part 28 polyesterimide enamelled rectangular copper wire class 180 First Revision
32	IS 13730 (Part 29):1996 IEC 60317-29 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-29	Specifications for particular types of winding wires Part 29 polyester or polyesterimide overcoated with polyamide - Imide enamelled rectangular copper wire class 200
33	IS 13730 (Part 31):2018 IEC 60317-31 : 2015 Reviewed In : 2024 IEC 60317-31	Specifications for particular types of winding wires Part 31 glass fibre wound resin or varnish impregnated bare or enamelled rectangular copper wire temperature index 180 First Revision
34	IS 13730 (Part 32):2018 IEC 60317-32 : 2015 Reviewed In : 2024 IEC 60317-32	Specifications for particular types of winding wires Part 32 glass fibre wound resin or varnish impregnated bare or enamelled rectangular copper wire temperature index 155 First Revision
35	IS 13730 (Part 33):2018 IEC 60317-33 : 2015 Reviewed In : 2024 IEC 60317-33	Specifications for particular types of winding wires Part 33 glass fibre wound resin or varnish impregnated bare or enamelled rectangular copper wire temperature index 200 First Revision
36	IS 13730 (Part 34):2000 IEC 60317-34 Reviewed In : 2021 IEC 60317-34	Specifications for particular types of winding wires Part 34 polyester enamelled round copper wire class 130 L First Revision
37	IS 13730 (Part 35):2017 IEC 60317-35 : 2013 Reviewed In : 2024 IEC 60317-35:2013	Specifications for particular types of winding wires Part 35 solderable polyurethane enamelled round copper wire class 155 with a bonding layer
38	IS 13730 (Part 36):2017 IEC 60317-36 : 2013 Reviewed In : 2024 IEC 60317-36:2013	Specifications for particular types of winding wires Part 36 solderable polyesterimide enamelled round copper wire class 180 with a bonding layer
39	IS 13730 (Part 37):2017 IEC 60317-37 : 2013 Reviewed In : 2024 IEC 60317-37:2013	Specifications for particular types of winding wires Part 37 polyesterimide enamelled round copper wire class 180 with a bonding layer
40	IS 13730 (Part 38):2018 IEC 60317-38 : 2013 Reviewed In : 2024 IEC 60317-38	Specifications for particular types of winding wires Part 38 polyester or polyesterimide overcoated with polyamide - Imide enamelled round copper wire class 200 with a bonding layer
41	IS 13730 (Part 39):2018 IEC 60317-39 : 2015 Reviewed In : 2024 IEC 60317-39	Specifications for particular types of winding wires Part 39 glass - Fibre braided resin or varnish - Impregnated bare or enamelled rectangular copper wire temperature index 180 First Revision
42	IS 13730 (Part 43):2013 IEC 60317-43 Reviewed In : 2024 IEC 60317-43	Specification for particular types of winding wires Part 43 aromatic polyimide tape wrapped round copper wire class 240 First Revision
43	IS 13730 (Part 44):2013 IEC 60317-44 Reviewed In : 2024 IEC 60317-44	Specification for particular types of winding wires Part 44 aromatic polyimide tape wrapped rectangular copper wire class 240 First Revision
44	IS 13730 (Part 45):1999	Specifications for particular types of winding wires Part 45 polyester enamelled round copper wire

	IEC 60317-45 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60317-45	class 130
45	IS 13730 (Part 46):2017 IEC 60317-46 : 2013 Reviewed In : 2024 IEC 60317-46:2013	Specifications for particular types of winding wires Part 46 aromatic polyimide enamelled round copper wire class 240
46	IS 13730 (Part 47):2017 IEC 60317-47 : 2013 Reviewed In : 2024 IEC 60317-47:2013	Specifications for particular types of winding wires Part 47 aromatic polyimide enamelled rectangular copper wire class 240
47	IS 13730 (Part 48):2018 IEC 60217-48 : 2012 Reviewed In : 2024 IEC 60317-48	Specifications for particular types of winding wires Part 48 glass - Fibre wound resin or varnish impregnated bare or enamelled round copper wire temperature index 155 First Revision
48	IS 13730 (Part 49):2018 IEC 60317-49 : 2012 Reviewed In : 2024 IEC 60317-49	Specifications for particular types of winding wires Part 49 glass - Fibre wound high temperature resin or varnish - Impregnated bare or enamelled round copper wire class 180 First Revision
49	IS 13730 (Part 50):2018 IEC 60317-50 : 2012 Reviewed In : 2024 IEC 60317-50	Specifications for particular types of winding wires Part 50 glass - Fibre wound silicone resin or varnish impregnated bare or enamelled round copper wire class 200 First Revision
50	IS 13730 (Part 53):2018 IEC60317-53 : 2014 Reviewed In : 2024 IEC60317-53	Specifications for particular types of winding wires Part 53 aromatic polyimide Aramid tape wrapped rectangular copper wire temperature index 220 First Revision
51	IS 13730 (Part 57):2025 IEC 60317-57	Specifications for particular types of winding wires - Part 57 Polyamide-imide enameled round copper wire class 220
52	IS 14841 (Part 2/Sec 2):2000 IEC 60264-2-2 Reviewed In : 2021 IEC 60264-2-2	Packaging of winding wires Part 2 cylindrical barrelled delivery spools Sec 2 specification for returnable spools made fromThermoplastic materials
53	IS 14841 (Part 3/Sec 2):2000 IEC 60264-3-2 Reviewed In : 2021 IEC 60264-3-2	Packaging of winding wires Part 3 taper barrelled delivery spools Sec 2 specification for returnable spools made fromThermoplastic materials
54	IS 14841 (Part 3/Sec 3):2000 Reviewed In : 2021 IEC 60264-3-3	Packaging of winding wires Part 3 taper barrelled dellVery spools Sec 3 specification for non - Returnable spools made from thermoplastic material
55	IS 19059:2024	Continuously Transposed Conductor CTC Copper Winding Wires
56	IS 2069:2025	Drums for covered winding wires and strips for electrical purposes - Specification Third Revision
57	IS 6162 (Part 1):1971 Reviewed In : 2018 IEC Publication 111 (1959), BS 2627 : 1961	Specification for paper - Covered aluminium conductors Part 1 round conductors
58	IS 6162 (Part 2):1971 Reviewed In : 2018 B.S. 2776 : Part 2: 1956	Specification for paper covered aluminium conductors Part 2 rectangular conductors
59	IS 7391 (Part 1):1974 Reviewed In : 2018 IEC Pub 182-1(1964)	Specification For cotton Covered Copper Conductors Part 1 round conductors

60	IS 7391 (Part 2):1974 Reviewed In : 2018	Specification for cotton covered copper conductors Part 2 rectangular conductors
61	IS 7404 (Part 1):1991 Reviewed In : 2021	Paper covered copper conductors - Specification Part 1 round conductors First Revision
62	IS 7576:1974 Reviewed In : 2018 BS : 4770 : 197 1	Specification for bunched enamelled copper wires with silk covering
63	IS 8572:1993 Reviewed In : 2018	Paper - Covered flexible stranded copper conductors for transformer leads - Specification First Revision
64	IS 8783 (Part 4/Sec 1):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification Part 4 specification for individual wires Sec 1 HR PVC insulated wires First Revision
65	IS 8783 (Part 4/Sec 2):1995 Reviewed In : 2021	Winding wires for submersible motors - specification Part 4 specification for individual wires Sec 2 crosslinked polyethylene insulated and polyamide jacketed wires First Revision
66	IS 8783 (Part 4/Sec 3):1995 Reviewed In : 2021	Winding wires for submersible motors - Specification Part 4 specification for individual wires Sec 3 polyester and polypropylene insulated winding wires First Revision