# 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 - Specification (First Revision) | | - | Indigenous |
| 2 | IS 10462 (Part 1):1983 Reviewed In : 2021 IEC Publication 502 ( 1978 ) | 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 Reviewed In : 2021 | Methods of test for cables Part 0 General | November, 2021 | - | Indigenous |
| 4 | IS 10810 (Part 1):1984 Reviewed In : 2021 | Methods of test for cables: Part 1 annealing test for wires used as conductors | November, 2021 | - | Indigenous |
| 5 | IS 10810 (Part 2):1984 Reviewed In : 2021 | Methods of test for cables: Part 2 tensile test for aluminium wires | November, 2021 | - | Indigenous |
| 6 | IS 10810 (Part 3):1984 Reviewed In : 2021 | Methods of test for cables: Part 3 wrapping test for aluminium wires | November, 2021 | - | Indigenous |
| 7 | IS 10810 (Part 4):1984 Reviewed In : 2021 | Methods of test for cables: Part 4 persulphate test of conductor | November, 2021 | - | Indigenous |
| 8 | IS 10810 (Part 5):1984 Reviewed In : 2021 | Methods of test for cables: Part 5 conductor resistance test | November, 2021 | - | Indigenous |
| 9 | IS 10810 (Part 6):1984 Reviewed In : 2021 | Methods of test for cables: Part 6 thickness of thermoplastic and elastomeric insulation and sheath | November, 2021 | - | Indigenous |
| 10 | IS 10810 (Part 7):1984 Reviewed In : 2021 | 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 Reviewed In : 2021 | Methods of test for cables: Part 8 breaking strength and elongation at break for impregnated paper insulation | November, 2021 | - | Indigenous |
| 12 | IS 10810 (Part | Methods of test for cables: Part 9 | November, 2021 | - | Indigenous |

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|---|---|---|---|---|---|
| | 9):1984<br>Reviewed In : 2021 | tear resistance for paper insulation | | | |
| 13 | IS 10810 (Part 10):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 10 loss of mass test | November, 2021 | - | Indigenous |
| 14 | IS 10810 (Part 11):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 11 thermal ageing in air | November, 2021 | - | Indigenous |
| 15 | IS 10810 (Part 12):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 12 shrinkage test | November, 2021 | - | Indigenous |
| 16 | IS 10810 (Part 13):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 13 ozone resistance test | November, 2021 | - | Indigenous |
| 17 | IS 10810 (Part 14):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 14 heat shock test | November, 2021 | - | Indigenous |
| 18 | IS 10810 (Part 15):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 15 hot deformation test | November, 2021 | - | Indigenous |
| 19 | IS 10810 (Part 16):1986<br>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<br>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<br>Reviewed In : 2021 | Methods of test for cables: Part 19 bleeding and blooming test | November, 2021 | - | Indigenous |
| 22 | IS 10810 (Part 20):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 20 cold bend test | November, 2021 | - | Indigenous |
| 23 | IS 10810 (Part 21):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 21 cold impact test | November, 2021 | - | Indigenous |
| 24 | IS 10810 (Part 22):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 22 vicat softening point | November, 2021 | - | Indigenous |
| 25 | IS 10810 (Part 23):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 23 melt - Flow index | November, 2021 | - | Indigenous |
| 26 | IS 10810 (Part 24):1984<br>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<br>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<br>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<br>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<br>Reviewed In : 2021 | Methods of test for cables: Part 28 water absorption test (Electrical) | November, 2021 | - | Indigenous |
| 31 | IS 10810 (Part 29):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 29 environmental stress cracking test | November, 2021 | - | Indigenous |

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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 |

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|---|---|---|---|---|---|
| | 49):1984<br>Reviewed In : 2021 | heating cycle test | | | |
| 52 | IS 10810 (Part 50):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 50 bending test | November, 2021 | - | Indigenous |
| 53 | IS 10810 (Part 51):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 51 dripping test | November, 2021 | - | Indigenous |
| 54 | IS 10810 (Part 53):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 53 flammability test | November, 2021 | - | Indigenous |
| 55 | IS 10810 (Part 54):1984<br>Reviewed In : 2021 | Methods of test for cables: Part 54 static flexibility test | November, 2021 | - | Indigenous |
| 56 | IS 10810 (Part 55):1986<br>Reviewed In : 2021 | Methods of test for cables: Part 55 abrasion test | November, 2021 | - | Indigenous |
| 57 | IS 10810 (Part 56):1987<br>Reviewed In : 2017 | Methods of test for cables: Part 56 accelerated ageing test by air pressure method | | - | Indigenous |
| 58 | IS 10810 (Part 57):1987<br>Reviewed In : 2025 | Methods of test for cables apart 57 flexing test | July, 2025 | - | Indigenous |
| 59 | IS 10810 (Part 58):1998<br>Reviewed In : 2019<br>IEC 20C (C.O.) 3 | Method of tests for cables:Part 58 oxygen index test | | - | Modified/Technically Equivalent |
| 60 | IS 10810 (Part 59):1988<br>Reviewed In : 2020 | Methods of test for cables 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<br>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<br>Reviewed In : 2020 | Methods of test for cables: Part 61 flame retardant test | March, 2020 | 1 | Indigenous |
| 63 | IS 10810 (Part 62):1993<br>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<br>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<br>Reviewed In : 2022 | Methods of test for cables: Part 64 measurement of temperature index | February, 2022 | - | Indigenous |
| 66 | IS 10877:1984<br>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<br>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<br>Reviewed In : 2016 | Code of practice for installation and maintenance of power cables | November, 2016 | 1 | Indigenous |

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|---|---|---|---|---|---|
| | | 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 | IS 13573 (Part 1):2011 Reviewed In : 2024 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) | September, 2024 | - | 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 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 | 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 |

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|---|---|---|---|---|---|
| | 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 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 | IS 3961 (Part 6):2016 Reviewed In : 2024 | 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 1):1984 | Specification for flexible cables for lifts and other flexible connections: | November, 2021 | - | Modified/Technically Equivalent |

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| | Reviewed In : 2021 IEC Publication 245-5 | Part 1 elastomer insulated cables (First Revision) | | | |
| 94 | 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 |
| 95 | IS 5819:2024 | Recommended short-circuit ratings of high voltage PVC cables (First Revision) | | - | Indigenous |
| 96 | 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 |
| 97 | IS 5950:2024 | Shot Firing Cables (for Use Other than in Shafts) - Specification (Second Revision) | | - | Indigenous |
| 98 | IS 6380:2024 | Elastomeric Insulation and Sheath of Electric Cables - Specification (Second Revision) | | - | Indigenous |
| 99 | 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 1 100 V (Fourth Revision) | March, 2020 | 4 | Modified/Technically Equivalent |
| 100 | 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 |
| 101 | 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) | | - | Indigenous |
| 102 | IS 7098 (Part 1):1988 Reviewed In : 2020 | Specification for crosslinked polyethylene insulated PVC sheathed cables: Part 1 for working voltages up to and including 1 100 volts (First Revision) | March, 2020 | 5 | Indigenous |
| 103 | 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 |
| 104 | IS 7098 (Part 3):1993 Reviewed In : 2025 | Cross - Linked polyethylene insulated thermoplastic sheathed cables - Specification: Part 3 for working voltages from 66 kV up to and including 220 kV | January, 2025 | 4 | Indigenous |
| 105 | IS 8130:2013 Reviewed In : 2024 IEC 60228 (2004) | Conductors for insulated electric cables and flexible cords - Specification (Second Revision) | August, 2024 | 2 | Modified/Technically Equivalent |
| 106 | IS 8308:1993 Reviewed In : 2019 | Compression type tubular in - Line connectors for aluminium | | - | Indigenous |

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| | | conductors of insulated cables - Specification (First Revision) | | | |
| 107 | IS 8309:1993 Reviewed In : 2019 | Compression type tubular terminal ends for aluminium conductors of insulated cables - Specification (First Revision) | | 1 | Indigenous |
| 108 | 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 |
| 109 | IS 8394:1977 Reviewed In : 2017 | Specification for soldering and welding type terminal ends for conductors of insulated cables | | 2 | Indigenous |
| 110 | IS 8438:1987 Reviewed In : 2017 | Specification for moulds for cast resin based straight through joints for cables for voltages up to and including 1 100 volts (First Revision) | | - | Indigenous |
| 111 | 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 |
| 112 | IS 9646:1992 Reviewed In : 2019 | Moulds suitable for cast resin - Based joints for cables for voltages upto and including 1 100 V - Specification (First Revision) | April, 2019 | - | Indigenous |
| 113 | IS 9857:1990 Reviewed In : 2020 IEC Pub 245-6 | Welding cables - Specification (First Revision) | March, 2020 | 1 | Modified/Technically Equivalent |
| 114 | IS 9968 (Part 1):1988 Reviewed In : 2020 | Specification for elastomer insulated cables: Part 1 for working voltages up to and including 1 100 volts (First Revision) | March, 2020 | 3 | Indigenous |
| 115 | IS 9968 (Part 1):2025 | Elastomer Insulated Cables - Specification Part 1 for Working Voltages up to and including 1100 volts (Second Revision) | | - | Indigenous |
| 116 | IS 9968 (Part 2):2002 Reviewed In : 2024 | Specification for elastomer - Insulated cables: Part 2 for working voltages from 3.3 kV up to and including 33 kV (First Revision) | August, 2024 | 2 | Indigenous |

## 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 |

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| | | Combustion of Specimen of Cable Insulating Sheathing Materials |

## 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: 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 |
| 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 (25317) Revision of: IS 4289:1984 | Flexible Cables for Lifts and other Flexible Connections- Specification Part 1 Elastomer Insulated Cables |
| 5 | ETD 9 (26511) Revision of: IS 1554:1988 | PVC Insulated Heavy Duty Electric Cables - Specification Part 2 For Working Voltages From 3 3 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 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 Reviewed In : 2021 | Methods of test for cables Part 52 drainage test |
| 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 insultated 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 Polyethlene 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 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 |
| 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 | Flexible Trailing Cables for use in Coal Mines |

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|---|---|---|
| | Reviewed In : 1991 | |
| 28 | IS 692:1994<br>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

| SI. No. | IS No. & Year | Title |
|---|---|---|
| 1 | IS 10418:2024 | Drums for Electric Cables - Specification First Revision |
| 2 | IS 11979:1987<br>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<br>Reviewed In : 2020 | Brass glands for PVC cables - Specification |
| 4 | IS 13705:1993<br>Reviewed In : 2024<br>Reaffirmed but not taken up for revision | Transition joints of cables for working voltages from 11 kV up to and including 33 kV - Performance requirements and type tests |
| 5 | IS 14255:1995<br>Reviewed In : 2020 | Aerial bunched cables - For working voltages up to and including 1 100 Volts - Specification |
| 6 | IS 1554 (Part 1):1988<br>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 |
| 7 | IS 1554 (Part 2):1988<br>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<br><br>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<br><br>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 1 100 Volts - Specification |
| 10 | IS 17293:2020 | Electric Cables for Photovoltaic Systems for Rated Voltage 1 500 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 1 100 V a c and 1 500 V d c |
| 12 | IS 18833:2024<br>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 |
| 13 | IS 2465:1984<br>Reviewed In : 2021 | Specification for cables for motor vehicles Second Revision |
| 14 | IS 2593:2023 | Flexible Cables for Miners 39 Cap Lamps - Specification Second Revision |
| 15 | IS 4289 (Part 1):1984<br>Reviewed In : 2021 IEC Publication 245-5 | Specification for flexible cables for lifts and other flexible connections Part 1 elastomer insulated cables First Revision |
| 16 | IS 4289 (Part 2):2000<br>Reviewed In : 2020 IEC Publication 60227-6(1985) | Flexible cables for lifts and other flexible connections - Specification Part 2 pvc insulated circular cables |
| 17 | IS 5950:2024 | Shot Firing Cables for Use Other than in Shafts - Specification Second Revision |

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| 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 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 |
| 22 | IS 7098 (Part 3):1993 Reviewed In : 2025 | Cross - Linked polyethylene insulated thermoplastic sheathed cables - Specification Part 3 for working voltages from 66 kV up to and including 220 kV |
| 23 | IS 8130:2013 Reviewed In : 2024 IEC 60228 (2004) | Conductors for insulated electric cables and flexible cords - Specification Second Revision |
| 24 | IS 8308:1993 Reviewed In : 2019 | Compression type tubular in - Line connectors for aluminium conductors of insulated cables - Specification First Revision |
| 25 | IS 8309:1993 Reviewed In : 2019 | Compression type tubular terminal ends for aluminium conductors of insulated cables - Specification First Revision |
| 26 | 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 |
| 27 | IS 8394:1977 Reviewed In : 2017 | Specification for soldering and welding type terminal ends for conductors of insulated cables |
| 28 | IS 8438:1987 Reviewed In : 2017 | Specification for moulds for cast resin based straight through joints for cables for voltages up to and including 1 100 volts First Revision |
| 29 | 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 |
| 30 | IS 9646:1992 Reviewed In : 2019 | Moulds suitable for cast resin - Based joints for cables for voltages upto and including 1 100 V - Specification First Revision |
| 31 | IS 9857:1990 Reviewed In : 2020 IEC Pub 245-6 | Welding cables - Specification First Revision |
| 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 Reviewed In : 2024 | Specification for elastomer - Insulated cables Part 2 for working voltages from 3 3 kV up to and including 33 kV First Revision |