



## STANDARDS ASSOCIATION OF ZIMBABWE

### STANDARDS RELEVANT TO THE ELECTROTECHNICAL INDUSTRY

Standard number	Title
SAZS 109:1995	Winding wires Part 1: Polyurethane base with solderable properties Part 2: Polyesterimide base enamel Class 180 Part 3: Test methods
SAZS 120:2009	Hardwood poles and cross-arms for electric power and telephone lines
SAZS 121:1989	Two-pole and earthing-pin plugs socket-Outlets and socket-Outlet adaptors for circuits up to 250 volts
SAZS 122:1991	General purpose fuse links for domestic and similar purpose (primarily for use in plugs)
SAZS 127:2006	Ballasts for fluorescent lamps
SAZS 131: 1975	The testing and approval of household electrical appliances: cooking ranges, cooking tables and similar appliances
SAZS 138:1975	Bitumen-based filling compounds for electrical purposes
SAZS 147:1998	Switches for household and similar fixed electrical installations – General requirements
SAZS 172:1975	Ceramic insulators and pole fittings for telephone lines
SAZS 178:1976	Low voltage insulators
SAZS 179:1976	Cleats, bobbins and leading-in tubes
SAZS 188:1976	Cable glands for elastomer and plastic insulated cables
SAZS 191:1976	Current transformers
SAZS 205:1977	Electric cable soldering sockets
SAZS 206:1997	Snap-on connectors
SAZS 212:1978	Primary cells and batteries
SAZS 213:1997	Fixed electric storage water heaters
SAZS 240:1999	Electrical cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1900/3300 V)
SAZS 241:1979	Screwed metal conduit and fittings for electrical wiring
SAZS 249:1980	Ballasts for low pressure sodium vapour and high intensity discharge lamps and reference ballasts for low pressure sodium vapour and high intensity discharge lamps
SAZS 273:1982	Electric luminaires
SAZS 274:1983	Single-phase inductions motors
SAZS 277:1993	Non-metallic conduit Part 1:(Metric units) Part 2: Imperial units
SAZS 278:1984	Collectors for solar water heaters
SAZS 283:1984	Stationary instantaneous electric water heaters
SAZS 290:1986	Electric luminaries: hand lamps

SAZS 291:1986	Multi-cell dry batteries
SAZS 316:1997	Graphical symbols for electrical diagrams
SAZS 322:1993	Photovoltaic modules
SAZS 354:1978	Fluorescent lamp ballasts
SAZS 386:1993	Aerials for the reception of sound and television broadcasting in the frequency range 30MHz to 1 GHz: Electrical and mechanical characteristics
SAZS 387:1993	Aerials for the reception of sound and television broadcasting in the frequency range 30 MHz to 1 GHz: Methods of measurement of electrical performance parameters
SAZS 400:2006	Electrical wiring of premises (SAZ wiring rules)
SAZS 464:1995	Incandescent lamps
SAZS 522:1998	Batteries for use in photovoltaic systems
SAZS 523:1999	Fluorescent lights for use in photovoltaic systems
SAZS 524:1998	Charge controllers for photovoltaic systems using lead-acid batteries
SAZS 526:1996	Copper for electrical purposes
SAZS 536:1998	Design, sizing and installation of battery based photovoltaic systems
SAZS 555:1997	Cold pour resin compound and heat shrink cable joints in the voltage range up to 1 000 V AC and 1 500V DC – Part 1: Specification for materials Part 2 : Code of practice for on-site installation
SAZS 556:1997	13 A plugs, socket-outlets, adaptors and connection units. Part 1: Rewirable and non-rewirable 13 A fused plugs Part 2: 13 A switched and unswitched socket outlets
SAZS 557:1997	Immersion heaters for electric storage water heaters
SAZS 680:1998	Materials of insulated electric cables and flexible Cords Part 1:1998 Conductors Part 2:1999 Polyvinyl chloride (PVC) Parts 3:1999 Elastomers Parts 4:1999 Cross-linked polyethylene (XLPE) Parts 5:1999 Halogen-free materials Parts 6:1998 Armour
SAZS 732:2001	Electrical cables – Flexible cords and flexible cables
SAZS 744:2003	Installation of solar water heaters
SAZS 764:2001	Cables and conductors – Dimensions of the components of electric cables, flexible cables and flexible cords
SAZS 765:2001	Cables and conductors – Flexing test on flexible cords
SAZS 766:2001	Cables and conductors - Kink resistance of circular flexible cords
SAZS 767:2001	Cables and conductors – Conductor resistance
SAZS 768:2001	Cables and conductors – Alternating current spark test on electric cables and cords
SAZS 769:2001	Cables and conductors – Power frequency voltage test on electric cables
SAZS 770:2001	Cables and conductors – Dielectric resistance on electric cables
SAZS 771:2001	Cables and conductors –Heat resistance of cables and flexible cords
SAZS 772:2001	Cables and conductors – Flexing test for extensible leads
SAZS 773:2001	Cables and conductors – Wear resistance of braided and unkinkable cords
SAZS 774:2001	Cables and conductors – Bending test for highly flexible cords such as tinsel cords
SAZS 775:2001	Cables and conductors – Extension
SAZS 776:2001	Cables and conductors – Overall dimensions and ovality of electric cables and cords
SAZS 833:1971	Tubular steel poles
SAZS 834:1972	<b>Enamelled copper conductors (polyvinyl) acetal base with high mechanical properties</b>
SAZS 832:1968	Distribution miniature circuit – breaker boards for low and medium voltages

	Part 1: Single phase boards (80A max .incoming load)
SAZS 835:1971	Three phase induction motors
SAZS 836:1972	Electric kettles and similar appliances
SAZS 837:1972	Electrically-heated laboratory drying ovens
SAZS 858:2005	Timber drums for insulated electric cables and bare conductors
SAZS 859:2003	Safety – requirements for electric fence energizers
SAZS 889:2004	Conductors for overhead electrical transmission lines. Part 1: Stranded aluminium conductors Part 2: Aluminium conductors, steel reinforced
SAZS 890:2005	High-voltage busbars and busbar connections
SAZS IEC 76:1998	Power transformers. Part 1: General Part 2: Temperature rise Part 3: Insulation levels and dielectric tests Part 5: Ability to withstand short circuit
SAZS IEC 335-2-24:1998	Safety of household and similar electrical appliances. Part 2-24: Particular requirements for refrigerators, food freezers and ice-makers
SAZS IEC 432: 1995	Safety specifications for incandescent lamps Part 1: Tungsten filament lamps for domestic and similar general lighting purposes
SAZS IEC 439:1996/1998	Low-voltage switchgear and control gear assemblies Part 1: 1996: Type – tested and partially type – tested assemblies Part 2:1998: Particular requirements for busbar trunking systems (busways) Part 3:Particular requirements for low – voltage switchgear and controlgear assemblies to be installed in places where unskilled persons have access to their use – Distribution boards Part 4:1998 Particular requirements for assemblies for construction sites (ACS) Part 5: Particular requirements for assemblies intended to be installed outdoors in public places – Cable distribution cabinets (CDCs)for power distribution in networks
SAZS IEC 947:1998	Low-voltage switchgear and controlgear Part 1: General rules Part 2: Circuit breakers Part 3: Switch-disconnectors and fuse-combination units
SAZS IEC 60335.1:2007	Household and similar electrical appliances-safety. Part 1: General requirements
SAZS ISO 9459:1999	Solar heating – Domestic water heating systems Part 2: Outdoor test methods for system performance characterization and yearly performance prediction of solar systems
SAZS IEC 60335.2-76:2007	Particular requirements for electrical fence energizer
COMESA SAZ HS IEC 60227:2009	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V Part 1: General requirements Part 2: Test methods Part 3: Non-sheathed cables for fixed wiring Part 4: Sheathed cables for fixed wiring Part 6: lift cables and cables for flexible connections Part 7: Flexible cables screened and unscreened with two or more conductors
COMESA SAZ HS IEC 60228:2009	Conductors for insulated cables
COMESA SAZ HS IEC 60309.1:2009	Plugs, socket-outlets and couplers for industrial purposes – Pt General requirements

