

The dates in brackets following the document number are the year of publication and the withdrawal date.

### SANS 97 (SABS 97) (2012) (2017-03-17)

#### Electric cables - Impregnated paper-insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables)

Specifies the construction, materials, dimensions and test requirements for single-core and three-core impregnated paper-insulated metal-sheathed cables that have copper or aluminium conductors and lead, lead alloy or corrugated seamless aluminium sheaths, and that have rated voltages from 3,3/3,3 kV up to 19/33 kV.

Ed 7.01 A4 46p EN PDF 46p EN

ICS 29.060.20; 29.240.20

Stage: 92.60 (2017-03-17)

Am 1(National), 2012-12-14

Replaced by: SANS 97 (SABS 97) (2017)

### SANS 164-0 (2016) (2017-03-10)

#### Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 0: General and safety requirements

Covers specific requirements for plugs, fixed or portable socket-outlets and socket-outlet adaptors, with or without earthing contact, with a rated current not exceeding 16 A and a rated voltage not exceeding 250 V, intended for household and similar purposes either indoors or outdoors in South Africa.

Ed 1.03 A4 9p EN PDF 9p EN

ICS 29.120.30

Stage: 92.60 (2017-03-10)

Replaced by: SANS 164-0 (2017)

### SANS 164-4 (2013) (2017-03-30)

#### Plug and socket-outlet systems for household and similar purposes for use in South Africa Part 4: Dedicated system, 16 A 250 V a.c.

Covers the rating and dimensions of the 16 A dedicated plug and socket-outlet system for the connection of equipment to a dedicated supply system, having a nominal voltage of 250 V a.c. in household and similar applications in South Africa.

Ed 1.02 A4 24p EN PDF 24p EN

ICS 29.120.30

Stage: 92.60 (2017-03-30)

Replaced by: SANS 164-4 (2017)

### SANS 381 (2007) (2017-03-10)

#### Standard test method for aluminium in water

Covers the direct flame atomic absorption determination of aluminium in the nitrous oxide-acetylene flame. It is applicable to waters containing dissolved and total recoverable aluminium in the range 0.5 mg/L to 5.0 mg/L.

Ed 1 A4 6p EN PDF 6p EN

ICS 13.060.50

ASTM D 857:2002, idt

Stage: 92.60 (2017-03-10)

Replaced by: SANS 381 (2017)

### SANS 382 (2007) (2017-02-24)

#### Standard test methods for iron in water

Covers the determination of total iron, dissolved iron and ferrous iron in water using the following methods: Atomic absorption, direct: range 0.1 mg/L to 5.0 mg/L; Atomic absorption, graphite furnace: range 5 µg/L to 100 µg/L; and Photometric bathophenanthroline: range 40 µg/L to 1 000 µg/L.

Ed 1 A4 13p EN PDF 13p EN

ICS 13.060.50

ASTM D 1068:2005, idt

Stage: 92.60 (2017-02-24)

Replaced by: SANS 382 (2017)

### SANS 449 (SABS 449) (2011) (2017-02-17)

#### The manufacture of soft drinks and soft drink concentrates

Specifies the description, treatment, testing, bottling, packaging and labelling of soft drinks and soft drink concentrates and the requirements for production facilities and employees.

Ed 4.02 A4 28p EN PDF 28p EN

ICS 67.160.20

Stage: 92.60 (2017-02-17)

Am 1(National), 2009-03-13 Am 2(National), 2011-10-21

Replaced by: SANS 449 (SABS 449) (2017)

The dates in brackets following the document number are the year of publication and the withdrawal date.

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**SANS 534-1 (2015) (2017-03-24)****Vehicle security - Whole-of-vehicle marking Part 1: Microdot systems**

Describes the characteristics and methods of application of unique identification carriers, called microdots, to vehicles and also the processes required to ensure the integrity, authenticity and confidentiality of the entire microdot production, supply, storage, and application systems.

Ed 3 A4 23p EN PDF 23p EN

ICS 13.310

Stage: 92.60 (2017-03-24)

Replaced by: SANS 534-1 (2017)

**SANS 587 (SABS 587) (2011) (2017-03-30)****Canned fish, canned marine molluscs and canned crustaceans, and products derived therefrom**

Covers the manufacture, production, processing, and treatment of canned fish, canned fish products, canned marine molluscs, canned marine mollusc products, canned crustaceans and canned crustacean products.

Ed 2.01 A4 85p EN PDF 85p EN

ICS 07.100.30; 67.120.30

Stage: 92.60 (2017-03-30)

Am 1(National), 2011-11-18

Replaced by: SANS 587 (SABS 587) (2017)

**SANS 1224 (SABS 1224) (2006) (2017-03-03)****Polish stripper**

covers an ammoniated type and a non-ammoniated type of polish stripper that are both suitable for use in the removal of polymer coatings and wax coatings from all types of floor other than unsealed wood and cork floors.

Ed 1.03 A4 11p EN PDF 11p EN

ICS 71.100.40

Stage: 92.60 (2017-03-03)

Am 1(National), 1991-05-01 Am 2(National), 2002-09-05 Am 3(National), 2006-12-08

Replaced by: SANS 1224 (SABS 1224) (2017)

**SANS 1344 (SABS 1344) (2009) (2017-03-03)****Medium duty solvent detergent**

Ed 2.01 A4 11p EN PDF 11p EN

ICS 71.100.40

Stage: 92.60 (2017-03-03)

Am 1(National), 2009-12-11

Replaced by: SANS 1344 (SABS 1344) (2017)

**SANS 1411-5 (SABS 1411-5) (2011) (2017-02-24)****Materials of insulated electric cables and flexible cords Part 5: Halogen-free, flame-retardant materials**

Specifies requirements for halogen-free, flame-retardant components used in insulated electric cables and flexible cords.

Ed 3.02 A4 9p EN PDF 9p EN

ICS 29.035.99; 29.060.20

Stage: 92.60 (2017-02-24)

Am 1(National), 2009-02-13 Am 2(National), 2011-12-01

Replaced by: SANS 1411-5 (SABS 1411-5) (2017)

**SANS 1420 (SABS 1420) (2012) (2017-03-10)****Bed bases (spring upholstered)**

Covers the requirements for two types of spring-upholstered bed bases intended for domestic use with the relevant compatible sizes of innerspring mattresses for adults (see SANS 1005).

Ed 1.02 A4 16p EN PDF 16p EN

ICS 97.140

Stage: 92.60 (2017-03-10)

Am 1(National), 2009-01-16 Am 2(National), 2012-02-24

Replaced by: SANS 1420 (SABS 1420) (2017)

The dates in brackets following the document number are the year of publication and the withdrawal date.

**SANS 1574-4 (2013) (2017-02-24)****Electric flexible cables with solid extruded dielectric insulation Part 4: Rubber-insulated cables for domestic, office and similar environments (cords)**

Specifies requirements for single-core and multi-core flexible rubber-insulated cords of rated operating voltages up to and including 300 V to earth and 500 V between conductors, intended for use with electrical appliances. Insulating and sheathing materials of rubber are covered.

Ed 1.01 A4 27p EN PDF 27p EN

ICS 01.070; 29.060.20; 33.120.20

Stage: 92.60 (2017-02-24)

Replaced by: SANS 1574-4 (2017)

**SANS 1827 (SABS 1827) (2014) (2017-03-10)****The safety of water treatment chemicals for use in the food industry**

Sets minimum requirements for safety of water treatment chemicals, intended for use in potable/process waters or boiler feed waters, where the treated water or steam produced might come into contact with food or food products.

Ed 1.05 A4 11p EN PDF 11p EN

ICS 67.020; 71.100.80

Stage: 92.60 (2017-03-10)

Am 1(National), 2000-02-25 Am 2(National), 2000-10-06 Am 3(National), 2009-03-13 Am 4(National), 2012-03-16

Am 5(National), 2014-12-08

Replaced by: SANS 1827 (SABS 1827) (2017)

**SANS 1853 (SABS 1853) (2009) (2017-03-10)****Disinfectants and detergent-disinfectants for use in the food industry**

Specifies general requirements for disinfectants and detergent-disinfectants intended for use in the food industry. It sets minimum requirements for the safety of such disinfectants and detergent-disinfectants, which are for use on food processing equipment and might come into contact with food products.

Ed 1.01 A4 12p EN PDF 12p EN

ICS 67.020; 71.100.35

Stage: 92.60 (2017-03-10)

Am 1(National), 2009-05-15

Replaced by: SANS 1853 (2017)

**SANS 2076 (SABS ISO 2076) (2010) (2017-02-24)****Textiles - Man-made fibres - Generic names**

Lists the generic names used to designate the different categories of man-made fibres currently manufactured on an industrial scale for textile and other purposes, together with the distinguishing attributes that characterize them.

Ed 2 A4 13p EN PDF 13p EN

ICS 01.040.59; 59.060.20

ISO 2076:2010, idt

Stage: 92.60 (2017-02-24)

Replaced by: SANS 2076 (SABS ISO 2076) (2017)

**SANS 5072 (2005) (2017-03-17)****Brown coals and lignites - Determination of true relative density and apparent relative density**

Covers methods for determining the true and apparent relative density of brown coals and lignites.

Ed 1 A4 9p EN PDF 9p EN

ICS 73.040

ISO 5072:1997, idt

Stage: 99.60 (2017-03-17)

**SANS 6094 (SABS SM 1094) (2009) (2017-02-17)****Stock remedies - Efficacy of chemicals against tick larvae**

Specifies a method for the determination of the efficacy of a chemical compound (at various concentrations) against tick larvae and to compare, under laboratory conditions, the efficacy to that of a known effective concentration of a reference formulation.

Ed 2 A4 13p EN PDF 13p EN

ICS 65.100.10

Stage: 92.60 (2017-02-17)

Replaced by: SANS 6094 (SABS SM 1094) (2017)

**SANS 6097 (SABS SM 1097) (2009) (2017-02-24)****Stock remedies - Stripping rate of cattle tickicides in spray races**

Specifies a method for the determination of the rate of stripping (selective removal of the active ingredient) of the commercial formulation of a cattle tickicide intended for use in spray races and plunge-dipping tanks in order to calculate a suitable replenishment rate.

Ed 2 A4 8p EN PDF 8p EN

ICS 65.100.10

Stage: 92.60 (2017-02-24)

Replaced by: SANS 6097 (SABS SM 1097) (2017)

The dates in brackets following the document number are the year of publication and the withdrawal date.

### SANS 6938 (SABS ISO 6938) (1984) (2017-03-30)

#### Textiles - Natural fibres - Generic names and definitions

Gives the generic names and the definitions of the most important natural fibres according to their specific constitution or origin.

Ed 1 A4 9p EN PDF 9p EN

ICS 59.060.10

ISO 6938:1984, idt

Stage: 92.60 (2017-03-30)

Am 1(National), 2006-03-17

Replaced by: SANS 6938 (SABS ISO 6938) (2017)

### SANS 7816-4 (SABS ISO/IEC 7816-4) (2005) (2017-03-30)

#### Identification cards - Integrated circuit cards Part 4: Organization, security and commands for interchange

Specifies contents of command-response pairs exchanged at the interface; means of retrieval of data elements and data objects in the card; structures and contents of historical bytes to describe operating characteristics of the card; structures for applications and data in the card, as seen at the interface when processing commands; access methods to files and data in the card; a security architecture defining access rights to files and data in the card; means and mechanisms for identifying and addressing applications in the card; methods for secure messaging; access methods to the algorithms processed by the card. It does not describe these algorithms. It does not cover the internal implementation within the card or the outside world, and is independent from the physical interface technology. It applies to cards accessed by one or more of the following methods: contacts, close coupling, and radio frequency.

Ed 2 A4 90p EN PDF 90p EN

ICS 35.240.15

ISO/IEC 7816-4:2005, idt

Stage: 92.60 (2017-03-30)

Am 1, 2009-05-22

Replaced by: SANS 7816-4 (SABS ISO/IEC 7816-4) (2017)

### SANS 10094 (SABS 094) (2005) (2017-02-24)

#### The use of high-strength friction-grip bolts

Covers the assembly and inspection of bolted friction-grip joints in structural steelwork, i.e. joints in which high-strength bolts or equivalent fasteners are used to clamp the connected parts together with enough force to ensure the transfer across the joint, by friction alone, of all forces in the plane of the parts.

Ed 4 A4 20p EN PDF 20p EN

ICS 21.060.10

Stage: 92.60 (2017-02-24)

Replaced by: SANS 10094 (SABS 094) (2017)

### SANS 10108 (SABS 0108) (2014) (2017-02-24)

#### The classification of hazardous locations and the selection of equipment for use in such locations

Covers the classification of surface and underground locations in which fires or explosions can occur owing to the presence of flammable gases, vapours or mists, dusts, fibres or flyings in the air, in order to permit the proper selection of electrical equipment and mechanical equipment, such as compression-ignition engines (diesel engines), to be used in such locations. Does not cover locations that are rendered hazardous by the presence of substances that are flammable or explosive in the absence of atmospheric oxygen. Does not cover major releases caused by catastrophic plant failures such as the rupture of tanks, pressure vessels or pipes.

Ed 6 A4 29p EN PDF 29p EN

ICS 29.260.20

Stage: 92.60 (2017-02-24)

Replaced by: SANS 10108 (SABS 0108) (2017)

### SANS 10142-1 (SABS 0142-1) (2012) (2017-03-03)

#### Die bedraging van persele Deel 1: Laespanninginstallasies

Is van toepassing op die elektriese installasies van woonpersele, handelspersele, openbare persele, nywerheidspersele, voorafvervaardigde geboue, vaste bogrondse installasies op myneiendomme, konstruksie- en slopingsterreine, landbou- en tuinbougebiede, woonwaparke en soortgelyke terreine, marinas, plesiervaartuie en huisbote, mediese gebiede, tentoonstellings, kermisse en ander tydelike installasies, ekstralaespanning-verligtingsinstallasies, elektriese installasies vir straatverligting en straattoerusting, en toerustingomhulsels (strukture wat fisiese beskerming en beskerming teen die omgewing aan telekommunikasietoerusting bied). Dek stroombane wat by nominale spannings van tot en met 1 000 V WS of 1 500 V GS voorsien word.

Ed 1.08 A5 402p EN PDF 402p EN

ICS 91.140.50

Stage: 92.60 (2017-03-03)

Am 1(National), 2003-01-31

Err 1(National), 2003-02-21

Cor 1(National), 2003-03-14

Am 2(National), 2003-08-29

Am 3(National), 2003-12-18

Am 4(National), 2005-04-22

Am 5(National), 2006-05-12

Am 6(National), 2008-09-19

Am 7(National), 2009-11-06

Am 8(National), 2012-03-30

Replaced by: SANS 10142-1 (SABS 0142-1) (2017)

The dates in brackets following the document number are the year of publication and the withdrawal date.

### SANS 10142-1 (SABS 0142-1) (2012) (2017-03-03)

#### The wiring of premises Part 1: Low-voltage installations

Applies to electrical installations of residential premises, commercial premises, public premises, industrial premises, prefabricated buildings, fixed surface installations on mining properties, construction and demolition site installations, agricultural and horticultural premises, caravan sites and similar sites, marinas, pleasure craft and house boats, medical locations, exhibitions, fairs and other temporary installations, extra low voltage lighting installations, electrical installations for street lighting and street furniture, and equipment enclosures (structures that provide physical and environmental protection for telecommunication equipment). Covers circuits supplied at nominal voltages up to and including 1 000 V a.c. or 1 500 V d.c.

Ed 1.08 A5 393p EN PDF 393p EN

ICS 91.140.50

Stage: 92.60 (2017-03-03)

Am 1(National), 2003-01-31 Err 1(National), 2003-02-21 Cor 1(National), 2003-03-14 Am 2(National), 2003-08-29  
 Am 3(National), 2003-12-18 Am 4(National), 2005-04-22 Am 5(National), 2006-05-12 Am 6(National), 2008-09-19  
 Am 7(National), 2009-11-06 Am 8(National), 2012-03-30

Replaced by: SANS 10142-1 (SABS 0142-1) (2017)

### SANS 10160-4 (2011) (2017-02-24)

#### Basis of structural design and actions for buildings and industrial structures Part 4: Seismic actions and general requirements for buildings

Provides strategies and rules for the design of buildings subject to earthquake actions primarily to safeguard against major catastrophic structural failures and loss of life, not to prevent damage or to maintain function. Defines the seismic zones for which structures shall be designed and constructed to resist the effects of seismic ground motions.

Ed 1.01 A4 50p EN PDF 50p EN

ICS 91.010.30; 91.080.01

Stage: 92.60 (2017-02-24)

Replaced by: SANS 10160-4 (2017)

### SANS 10216 (SABS 0216) (2010) (2017-03-30)

#### Evaluation of vehicle test stations

Contains general provisions for the evaluation of the technical competence of a vehicle test station authority. Serves as a basis for determining the grading and registration of the authority on the grounds of its adherence to the provisions of this standard, the suitability of the equipment and the competence of registered examiners of vehicles employed.

Ed 5.01 A4 30p EN PDF 30p EN

ICS 03.120.20; 43.180

Stage: 92.60 (2017-03-30)

Am 1(National), 2010-09-01

Replaced by: SANS 10216 (SABS 0216) (2017)

### SANS 10242-1 (SABS 0242-1) (2013) (2017-02-17)

#### The rewinding and refurbishing of rotating electrical machines Part 1: Low-voltage three-phase induction motors

Establishes general principles for the rewinding and refurbishing of low-voltage three-phase alternating current induction motors of the cage and wound rotor (slip-ring) types, with rated output not exceeding 1 000 kW, for rated voltages not exceeding 1 100 V between phases, at a service frequency of 50 Hz including motors intended for variable speed applications. It also covers motors with random-wound (mush) coils and form-wound coils.

Ed 2 A4 73p EN PDF 73p EN

ICS 29.160.30

Stage: 92.60 (2017-02-17)

Replaced by: SANS 10242-1 (SABS 0242-1) (2017)

### SANS 10252-1 (SABS 0252-1) (2012) (2017-03-03)

#### Water supply and drainage for buildings Part 1: Water supply installations for buildings

Establishes general principles for the design, installation and testing of water installations for buildings.

Ed 3 A4 239p EN PDF 239p EN

ICS 91.140.60

Stage: 92.60 (2017-03-03)

Replaced by: SANS 10252-1 (SABS 0252-1) (2016)

### SANS 13528 (2009) (2017-02-24)

#### Statistical methods for use in proficiency testing by interlaboratory comparisons

Complements ISO Guide 43 (all parts) by providing detailed descriptions of sound statistical methods for organizers to use to analyse the data obtained from proficiency testing schemes and by giving recommendations on their use in practice by participants in such schemes and by accreditation bodies. Can be applied to demonstrate that the measurement results obtained by laboratories do not exhibit evidence of an unacceptable level of bias. Applicable to quantitative data but not to qualitative data.

Ed 1 A4 75p EN PDF 75p EN

ICS 03.120.30

ISO 13528:2005, idt

Stage: 92.60 (2017-02-24)

Replaced by: SANS 13528 (2017)

The dates in brackets following the document number are the year of publication and the withdrawal date.

**SANS 19109 (2006) (2017-02-24)****Geographic information - Rules for application schema**

Defines rules for creating and documenting application schemas, including principles for the definition of features. Includes conceptual modelling of features and their properties from a universe of discourse; definition of application schemas; use of the conceptual schema language for application schemas; transition from the concepts in the conceptual model to the data types in the application schema; and integration of standardized schemas from other ISO geographic information standards with the application schema.

Ed 1 A4 78p EN PDF 78p EN

ICS 07.040; 35.240.70

ISO 19109:2005, idt

Stage: 92.60 (2017-02-24)

Replaced by: SANS 19109 (2017)

**SANS 60079-18 (SABS IEC 60079-18) (2009) (2017-02-17)****Explosive atmospheres Part 18: Equipment protection by encapsulation "m"**

Gives the specific requirements for the construction, testing and marking of electrical apparatus, parts of electrical equipment and Ex components with the type of protection encapsulation "m" intended for use in explosive gas atmospheres or explosive dust atmospheres. Applies only to encapsulated electrical equipment, encapsulated parts of electrical equipment and encapsulated Ex components (referred to as "m" equipment) where the rated voltage does not exceed 11 kV.

Ed 3 A4 32p EN PDF 32p EN

ICS 29.260.20

IEC 60079-18:2009, idt

Stage: 92.60 (2017-02-17)

Replaced by: SANS 60079-18 (SABS IEC 60079-18) (2017)

**SANS 60079-29-2 (2012) (2017-02-17)****Explosive atmospheres Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen**

Gives guidance on the selection, installation, safe use and maintenance of electrically operated group II apparatus intended for use in industrial and commercial safety applications for the detection and measurement of flammable gases complying with the requirements of IEC 60079-29-1 (published in South Africa as an identical adoption under the designation SANS 60079-29-1)

Ed 1 A4 105p EN PDF 105p EN

ICS 29.260.20

IEC 60079-29-2:2007, idt

Stage: 92.60 (2017-02-17)

Replaced by: SANS 60079-29-2 (2017)

**SANS 60335-2-69 (SABS IEC 60335-2-69) (2013) (2017-03-30)****Household and similar electrical appliances - Safety Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use**

Deals with the safety of electrical motor-operated vacuum cleaners, including back-pack vacuum cleaners, and dust extractors, for wet suction, dry suction, or wet and dry suction, intended for commercial indoor or outdoor use with or without attachments.

Ed 4 A4 72p EN PDF 72p EN

ICS 97.080

IEC 60335-2-69:2012, idt

Stage: 92.60 (2017-03-30)

Replaced by: SANS 60335-2-69 (SABS IEC 60335-2-69) (2017)

**SANS 60947-2 (2014) (2017-03-30)****Low-voltage switchgear and controlgear Part 2: Circuit-breakers**

Applies to circuit-breakers, the main contacts of which are intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c.. Also contains additional requirements for integrally fused circuit-breakers.

Ed 4.02 A4 230p EN PDF 230p EN

ICS 29.130.20

IEC 60947-2:2013, idt

Stage: 92.60 (2017-03-30)

Replaced by: SANS 60947-2 (2017)

**SANS 61117 (2006) (2017-02-17)****A method for assessing the short-circuit withstand strength of partially type-tested assemblies (PTTA)**

Describes an extrapolation method for assessing the short-circuit withstand strength of partially type-tested assemblies(PTTA).

Ed 1 A4 8p EN PDF 8p EN

ICS 29.130.01

IEC 61117:1992, idt

Stage: 99.70 (2017-02-17)

Replaced by: SANS 61439-1 (2012)

The dates in brackets following the document number are the year of publication and the withdrawal date.

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## **ARP 1717 (2010) (2017-02-17)**

### **Guide to the regulatory requirements for the approval of detonators, initiators and initiation systems used in mining and civil blasting applications**

Covers the constructional requirements, testing and approval of blasting and related systems, used in the controlled initiation of explosive blasts.

Ed 1 A4 24p EN PDF 24p EN

ICS 71.100.30

Stage: 99.60 (2017-02-17)

## **ARP 24156 (2009) (2017-02-17)**

### **Guidelines for using UML notation in terminology work**

Gives guidelines for using a subset of the Unified Modeling Language, UML, to represent the results of terminological concept analysis. It describes how object modelling techniques can be used for this purpose.

Ed 1 A4 26p EN PDF 26p EN

ICS 01.020

ISO/TR 24156:2008, idt

Stage: 99.70 (2017-02-17)

Replaced by: SANS 24156-1 (2016)