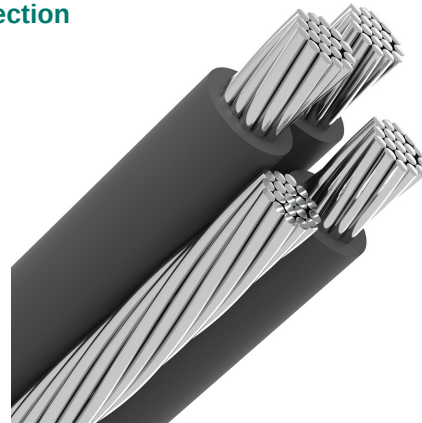


Aerial Bundled Cable (ABC) - SANS 1418-1 / 1418-2 (600/1000

Overhead cable for aerial distribution and service connection

Aerial Bundled Cable (ABC) - SANS 1418-1 / 1418-2 (600/1000 V) is prepared for preliminary product selection and quotation review. This product is used for overhead distribution routes where conductor arrangement, insulation, messenger or neutral support and installation environment determine cable selection.



VOLTAGE

600/1000V

CONDUCTOR

Aluminum / reinforced conductor route, according to overhead cable standard

TYPICAL USE

Aerial bundled cable systems

STANDARDS

SANS 1418-1

DATA SCOPE

2 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm voltage, conductor, core arrangement, messenger/neutral and installation span.

For quotation review, provide cable type, standard, size, quantity and project destination.

ethan@farwalkcable.com | +86 155 5800 6344

Application & Selection Summary

Typical applications

- Aerial bundled cable systems
- overhead service drops
- rural and urban distribution networks
- utility line upgrade projects.

Selection logic

- Confirm voltage grade, conductor material, core arrangement, messenger/neutral requirement, installation span and applicable utility standard.

Construction Overview

Item	Website-ready content
Product route	Aluminum or copper conductor with insulation and optional messenger or bundled arrangement according to product type.
Voltage	600/1000V
Conductor	Aluminum / reinforced conductor route, according to overhead cable standard
Standards	SANS 1418-1
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
SANS 1418 ABC - 3 Phases + 1 Insulated AAAC Messenger	3 x 35 mm ² + 54.6 mm ² - 3 x 120 mm ² + 70 mm ²	See table	See table	600 - 1550
SANS 1418 ABC - 3 Phases + 1 Insulated Messenger + 1 Stree	3 x 35 + 54.6 + 16 mm ² - 3 x 120 + 70 + 16 mm ²	4.7	See table	665 - 1615

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

SANS 1418 ABC - 3 Phases + 1 Insulated AAAC Messenger

Reference table for preliminary selection and quotation review.

Size & Configuration (Ph + Messenger)	Phase Dia. (mm)	Messenger Dia. (mm)	Approx. Bundle OD (mm)	Approx. Weight (kg/km)	Min. Messenger Breaking Load (kN)
SANS 1418 ABC - 3 Phases + 1 Insulated AAAC Messenger					
3 x 35 mm ² + 54.6 mm ²	6.9	9.6	32.0	600	16.60
3 x 50 mm ² + 54.6 mm ²	8.1	9.6	35.0	750	16.60
3 x 70 mm ² + 54.6 mm ²	9.7	9.6	38.0	980	16.60
3 x 95 mm ² + 70 mm ²	11.4	10.8	43.0	1300	21.00
3 x 120 mm ² + 70 mm ²	12.9	10.8	46.0	1550	21.00

SANS 1418 ABC - 3 Phases + 1 Insulated Messenger + 1 Street Light Core (16mm²)

Reference table for preliminary selection and quotation review.

Size & Configuration (Ph + Mess + Light)	Phase Dia. (mm)	Light Core Dia. (mm)	Approx. Bundle OD (mm)	Approx. Weight (kg/km)	Min. Messenger Breaking Load (kN)
SANS 1418 ABC - 3 Phases + 1 Insulated Messenger + 1 Street Light Core (16mm ²)					
3 x 35 + 54.6 + 16 mm ²	6.9	4.7	32.5	665	16.60
3 x 50 + 54.6 + 16 mm ²	8.1	4.7	35.5	815	16.60
3 x 70 + 54.6 + 16 mm ²	9.7	4.7	38.5	1045	16.60
3 x 95 + 70 + 16 mm ²	11.4	4.7	43.5	1365	21.00
3 x 120 + 70 + 16 mm ²	12.9	4.7	46.5	1615	21.00