

## 2 Core

180° Shaped Solid Aluminium, FRPVC, FRPVC, SWA, FRPVC.

### Application:

For use in power circuits of 600/1 000V earthed systems. Installed in Cable trays, Ducts and Underground.

### Construction:

2 Core, Solid Aluminium sector shaped Conductor, flame retardant PVC insulated, flame retardant PVC bedding, steel wire armoured and flame retardant PVC sheath.

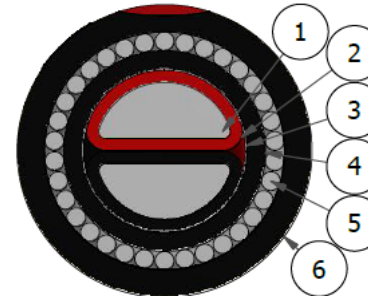
Voltage Rating: 600/1 000V

Specification: SANS 1507-3

### SIZE CODE

LVAP 2x(conductor size)FR FR1kV

| Conductor size       | Conductor depth | Insulation depth | Bedding diameter | Armour diameter | Cable diameter | Cable mass | Cable Gross mass | Bending radius | Current rating |        |       | Reactance | Resistance |           | Impedance | Capacitance | Short circuit ratings |             | Single phase Volt drop |
|----------------------|-----------------|------------------|------------------|-----------------|----------------|------------|------------------|----------------|----------------|--------|-------|-----------|------------|-----------|-----------|-------------|-----------------------|-------------|------------------------|
|                      |                 |                  |                  |                 |                |            |                  |                | Amps           |        |       |           | Ω/km max   |           |           |             | Symmetrical           | Earth fault |                        |
| mm <sup>2</sup> Nom. | mm Nom.         | mm Nom.          | mm Nom.          | mm Nom.         | mm Nom.        | kg/m Nom.  | 300m Nom.        | mm min.        | air            | ground | ducts | Ω /km     | dc @ 20°C  | ac @ 70°C | Ω /km     | μF/km       | kA (1sec)             |             | mV/A/m                 |
| 25                   | 3.8             | 6.1              | 14.3             | 16.8            | 20.1           | 0.8        | 396              | 201            | 80             | 90     | 73    | 0.088     | 1.20       | 1.44      | 1.444     | 0.455       | 1.9                   | 2.6         | 2.89                   |



| Item | Description                           |
|------|---------------------------------------|
| 1    | Solid Aluminium 180° shaped conductor |
| 2    | Insulation                            |
| 3    | Separator / binding tape              |
| 4    | Bedding                               |
| 5    | Galvanized steel wire armouring       |
| 6    | Sheathing                             |

Revision: R01 13/10/2020

