

## 16 Core

Circular Copper, PVC, PVC, SWA, FRPVC / LHFRPVC.

## Application:

For use in power circuits of 600/1 000V earthed systems. Installed in cable trays, ducts and underground.

Voltage Rating: 600 / 1 000V

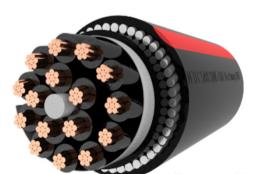
**Construction:** 

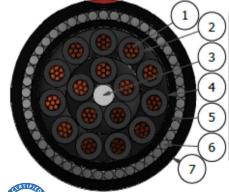
Specification: SANS 1507-3

16 Core, Copper stranded circular conductor, PVC Insulated, PVC bedding, steel wire armoured,

flame retardant PVC / Low halogen flame retardant PVC Sheath.

|              |                | LVCP 16x(conductor size)FR / LH 1kV |              |                 |                |              |                 |                |                          |         |                                    |       |           |             |             |           |                       |             |             |                        |
|--------------|----------------|-------------------------------------|--------------|-----------------|----------------|--------------|-----------------|----------------|--------------------------|---------|------------------------------------|-------|-----------|-------------|-------------|-----------|-----------------------|-------------|-------------|------------------------|
| size         | diameter       | diameter                            | eter         | eter            | ter            | S            | mass            | snı            | lling force<br>combined  | Current |                                    |       |           |             | d)          | Φ         | Short circuit ratings |             | 99          |                        |
| Conductor si | Conductor dian | Insulation diam                     | Bedding diam | Armour diameter | Cable diameter | Cable mass   | Cable gross rr  | Bending radius | laximum pu<br>conductors | ,       | rating<br>(estimate of<br>maximum) |       | Reactance | Resistance  |             | Impedance | Capacitance           | Symmetrical | Earth fault | Single phase volt drop |
|              | U              | _                                   |              |                 |                |              |                 |                | ≥ ⊆                      |         | Amps                               |       |           | Ω/km max    |             |           |                       |             |             |                        |
| mm²<br>Nom.  | mm<br>Nom.     | mm<br>Nom.                          | mm<br>Nom.   | mm<br>Nom.      | mm<br>Nom      | kg/m<br>Nom. | kg/500m<br>Nom. | mm<br>min.     | N                        | air     | ground                             | ducts | Ω/km      | dc @<br>20℃ | ac @<br>70℃ | Ω/km      | μF/km                 | kA (        | sec)        | mV/A/m                 |
| 4            | 2.45           | 4.50                                | 23.0         | 26.2            | 29.9           | 1.97         | 1,233           | 299            | 282                      | 5.9     | 6.0                                | 4.9   | 0.102     | 4.610       | 5.516       | 5.517     | 0.366                 | 0.506       | 3.262       | 11.03                  |





| )      | Item | Description                  |  |  |  |  |  |  |
|--------|------|------------------------------|--|--|--|--|--|--|
| $\leq$ | 1    | Annealed Copper conductor    |  |  |  |  |  |  |
|        | 2    | Insulation                   |  |  |  |  |  |  |
| 1      | 3    | Dummy core                   |  |  |  |  |  |  |
|        | 4    | Binding / separator tape     |  |  |  |  |  |  |
|        | 5    | Bedding                      |  |  |  |  |  |  |
| $\leq$ | 6    | Galvanized steel wire armour |  |  |  |  |  |  |
|        | 7    | Sheath                       |  |  |  |  |  |  |

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