

19 Core
Circular Copper, XLPE, FRPVC / LHFRPVC, SWA, FRPVC / LHFRPVC.

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

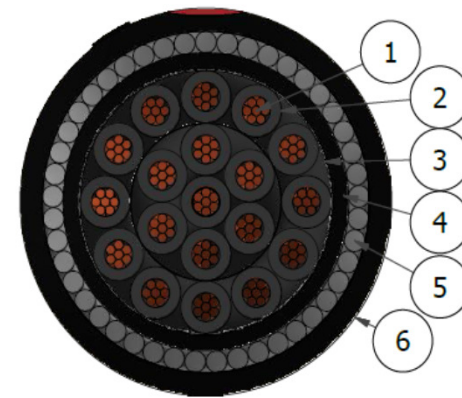
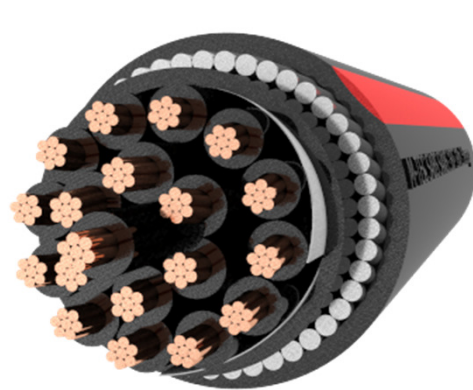
Construction:
19 Core, Copper stranded circular conductor, XLPE Insulated, FRPVC / Low halogen flame retardant PVC bedding, steel wire armoured, flame retardant PVC / Low halogen flame retardant PVC sheath.

Voltage Rating: 600 / 1 000V
Specification: SANS 1507-4

SIZE CODE

LVCPX 19x(conductor size)FR / LH 1kV

| Conductor size | Conductor diameter | Insulation diameter | Bedding diameter | Armour diameter | Cable diameter | Cable mass | Cable gross mass | Bending radius | Current rating (estimate of maximum) | | | Resistance | | Reactance | Impedance | Capacitance | Short circuit ratings | | Single phase volt drop |
|----------------------|--------------------|---------------------|------------------|-----------------|----------------|------------|------------------|----------------|--------------------------------------|--------|-------|------------|-----------|-----------|-----------|-------------|-----------------------|-------------|------------------------|
| | | | | | | | | | Amps | | | Ω/km max | | | | | Symmetrical | Earth fault | |
| mm ² Nom. | mm Nom. | mm Nom. | mm Nom. | mm Nom. | mm Nom. | kg/m Nom. | kg/500m Nom. | mm min. | air | ground | ducts | dc @ 20°C | ac @ 90°C | Ω/km | Ω /km | μF/km | kA (1sec) | mV/A/m | |
| 2.5 | 2.00 | 3.44 | 19.9 | 22.4 | 25.9 | 1.32 | 849 | 259 | 14 | 15 | 11 | 7.410 | 9.449 | 0.103 | 9.449 | 0.410 | 0.270 | 3.180 | 18.90 |



| Item | Description |
|------|------------------------------|
| 1 | Annealed Copper conductor |
| 2 | Insulation |
| 3 | Binding / separator tape |
| 4 | Bedding |
| 5 | Galvanized steel wire armour |
| 6 | Sheath |

Revision: R00 16/05/2022

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