

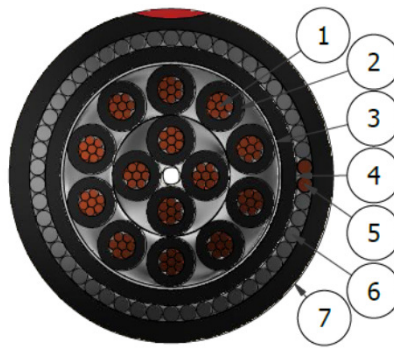
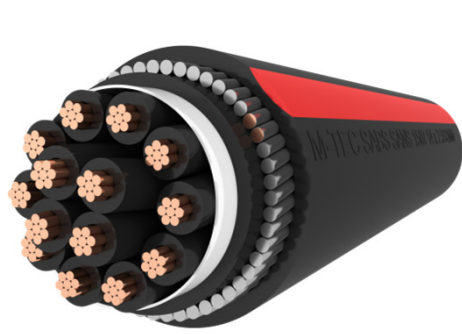
14 Core Circular Copper, PVC, PVC, SWA + ECC, FRPVC / LHFRPVC.

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

Construction:
14 Core, Copper stranded circular conductor, PVC Insulated, PVC bedding, steel wire armour + earth continuity conductor, flame retardant PVC / Low halogen flame retardant PVC Sheath.

Voltage Rating: 600 / 1 000V
Specification: SANS 1507-3

| SIZE CODE | | | | LVCP 14x(conductor size)FRE / LHE 1kV | | | | | | | | | | | | | | | | |
|----------------------|--------------------|---------------------|------------------|---------------------------------------|----------------|------------|------------------|----------------|-----------------------|----------------|--------|-------|-----------|------------|-----------|-----------|-------------|-----------------------|-------------|------------------------|
| Conductor size | Conductor diameter | Insulation diameter | Bedding diameter | Armour diameter | Cable diameter | Cable mass | Cable gross mass | Bending radius | Maximum pulling force | Current rating | | | Reactance | Resistance | | Impedance | Capacitance | Short circuit ratings | | Single phase volt drop |
| | | | | | | | | | | Amps | | | | Ω/km max | | | | | Symmetrical | |
| mm ² Nom. | mm Nom. | mm Nom. | mm Nom. | mm Nom. | mm Nom. | kg/m Nom. | 500m Nom. | mm min. | N | air | ground | ducts | Ω/km | dc @ 20°C | ac @ 70°C | Ω /km | μF/km | kA (1sec) | mV/A/m | |
| 1.5 | 1.6 | 3.2 | 14.1 | 18.3 | 21.5 | 0.93 | 695 | 215 | 85 | 12 | 14 | 11 | 0.109 | 12.100 | 14.478 | 14.478 | 0.321 | 0.193 | 2.845 | 28.96 |
| 2.5 | 2.0 | 3.7 | 18.6 | 21.1 | 24.5 | 1.21 | 837 | 245 | 141 | 16 | 18 | 14 | 0.103 | 7.410 | 8.866 | 8.867 | 0.361 | 0.315 | 3.333 | 17.73 |



| Item | Description |
|------|--------------------------------|
| 1 | Annealed Copper conductor |
| 2 | Insulation |
| 3 | Separator tape |
| 4 | Bedding |
| 5 | ECC conductor (tinned Cu wire) |
| 6 | Galvanized steel wire armour |
| 7 | Sheath |

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