Concentric service connection

XLPE, Concentric, PE or XLPE UV Stable.

Application:

Specification: 240-61704085 ESKOM

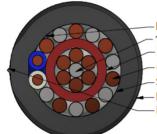
Voltage Rating: 600/1000V

For use in electricity supply to houses, 600/1000V. Strung in air from pole mounted circuit breaker to house connection.

Construction:

Centre phase core, Galv.steel + tinned Cu stranded, red XLPE insulated UV stable phase core, concentric layer bare tinned Cu + GSW, UV stable PE outer sheath black, orange or yellow.

| SIZE CODE | | LV 6 MM CON SAFER CABLE 0.5 COM |
|------------------------------|-------------------|--|
| Conductor size | mm² nom | 6 |
| Conductor diameter | mm nom | 3.4 |
| Tinned Cu / GSW | | 1.14 x 6 / 1.14 x 1 |
| Tinned Cu area | mm² | 6.1 |
| GSW area | mm² | 1.0 |
| Insulation diameter | mm nom | 4.9 |
| Concentric diameter | mm nom | 7.7 |
| Tinned Cu / GSW | | 1.14 x 6 / 1.14 x 6 |
| Tinned Cu area | mm² | 6.1 |
| GSW area | mm² | 6.1 |
| Cable diameter | mm Nom. | 11.0 |
| Cable mass | kg/m nom | 0.23 |
| Gross mass (500m) | kg nom | 157 |
| Bending radius | mm Min. | 110 |
| UTS (centre phase conductor) | N | 2 160 |
| Current rating | | |
| In air (@ 30°C ambient & | Amps | 60 |
| 90°C conductor temp.) | · | |
| In duct | Amps | 55 |
| In ground | Amps | 75 |
| Resistance: dc @ 20°C | | |
| Phase core: | Ω /km max | 3.21 |
| Neutral: | Ω /km max | 3.11 |
| Communication cores. | Ω /km max | Solid wire: 0.8mm, 0.5mm²: 35 Ω /km |
| Resistance: ac @ 90°C | | |
| Phase core: | Ω /km max | 3.87 |
| Insulation Resistance | $M\Omega$ /km min | 100 |
| Reactance | Ω /km | 0.105 |
| Impedance | Ω /km | 3.869 |
| Capacitance | μF/km | 0.396 |
| Short circuit ratings | | |
| Symmetrical | kA (1sec) | 0.55 |
| Earth fault | kA (1sec) | 0.98 |
| (Single Phase) Volt Drop | mV/A/m | 7.74 |



Ripcord(s)
1 x GWS, 6 x TCu wires

LV XLPE insulation Red UV stabalized

GSW + TCu CNE wires

-Separator / binder & powder

PE / XLPE outer sheath black / orange UV stable Rib 0.5mm high x 1.0mm wide





