

Application:

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

Voltage Rating: 600/1000V

Specification: 240-61704085 ESKOM

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	mm ² nom	6
Conductor diameter	mm nom	3.4
Tinned Cu / GSW		1.14 x 6 / 1.14 x 1
Tinned Cu area	mm ²	6.1
GSW area	mm ²	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	mm ²	6.1
GSW area	mm ²	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 & 90°C conductor temp.)	Amps	60
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, 0.5mm ² : 35 Ω /km

Resistance: ac @ 90°C

Phase core:	Ω /km max	3.87
Insulation Resistance	MΩ /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
--	--------	------

