

## 10 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

**Specification:** SANS 1507-3

### Construction:

10 Core, Copper stranded circular conductor, PVC insulated, PVC bedding, steel wire armoured, flame retardant PVC / low halogen flame retardant PVC sheath.

SIZE CODE				LV 10x(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 (maximum)			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single phase volt drop
									air	ground	ducts		Ω/km max	dc @ 20°C			ac @ 70°C	Ω /km	
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg/500m Nom.	mm min.				Ω/km			Ω /km	μF/km	kA (1sec)		mV/A/m
1.5	1.55	3.20	14.4	16.9	20.2	0.79	626	202	10.4	12.5	10.4	0.109	12.100	14.478	14.478	0.307	0.193	2.695	28.96
2.5	2.00	3.65	16.2	18.7	22.0	0.95	726	220	40.3	16.7	13.6	0.103	7.410	8.866	8.867	0.369	0.315	2.979	17.73
4	2.45	4.50	20.5	23.7	27.2	1.53	1,014	272	18.8	21.9	17.7	0.102	4.610	5.516	5.517	0.366	0.506	4.880	11.03
6	3.05	5.10	22.7	25.9	29.6	1.84	1,169	296	23.5	27.7	22.4	0.097	3.080	3.686	3.687	0.432	0.757	5.345	7.37



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Binder / separator tape if applicable
4	Bedding
5	Galvanized steel wire armour
6	Sheath