

## 14 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:

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

### SIZE CODE

### LVCP 14x(conductor size)FR / LH 1kV

Conductor size	Conductor diameter	Insulation diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Maximum pulling force on conductors combined	Current rating (estimate of maximum)			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single phase volt drop
										Amps				Ω/km max				Symmetrical	Earth fault	
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg/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	1.55	3.20	15.8	18.3	21.5	0.89	545	215	93	3.3	3.6	2.9	0.109	12.100	14.478	14.478	0.307	0.193	2.624	28.96
2.5	2.00	3.65	18.6	21.1	24.5	1.15	725	245	154	4.2	4.4	3.6	0.103	7.410	8.866	8.867	0.369	0.315	2.979	17.73
4	2.45	4.50	22.4	24.9	28.3	1.59	944	283	247	5.9	6.0	4.9	0.102	4.610	5.516	5.517	0.366	0.506	3.617	11.03

