

12 Core Circular Copper, PVC, PVC, SWA, FRPVC.

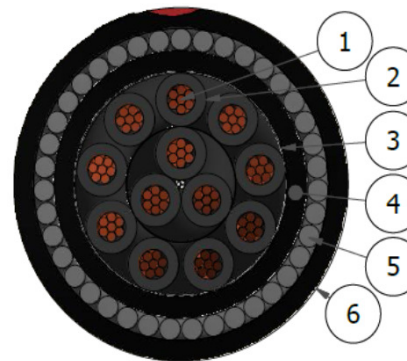
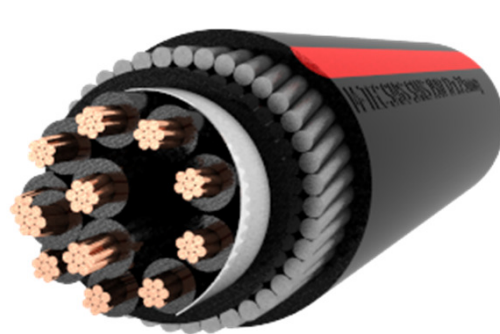
Application:
For use in power circuits of 600/1 000V earthed systems. Installed in cable trays, ducts and underground.

Voltage Rating: 600 / 1 000V

Construction:
12 Core, Copper stranded circular conductor, PVC Insulated, PVC bedding, steel wire armoured, flame retardant PVC / Low halogen flame retardant PVC sheath.

Specification: SANS 1507-3

SIZE CODE				LVCP 12x(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	air	ground		ducts	Ω/km			dc @ 20°C	ac @ 70°C	
mm ² 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	15.4	17.9	21.2	0.87	534	212	79	14	15	10	0.109	12.100	14.478	14.478	0.307	0.164	2.400	28.96
2.5	2.00	3.65	18.1	20.6	24.1	1.11	703	241	132	17	19	13	0.103	7.410	8.866	8.867	0.369	0.268	2.700	17.73
4	2.45	4.50	21.7	24.2	27.6	1.50	899	276	212	23	25	18	0.102	4.610	5.516	5.517	0.366	0.440	3.240	11.03



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Binding / separator tape when applicable
4	Bedding
5	Steel wire armour
6	Sheath