

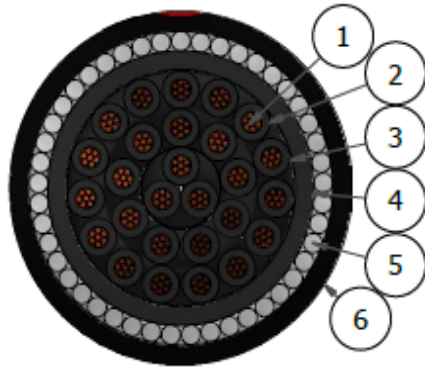
30 Core Circular Copper, PVC, PVC, SWA, FRPVC.

Application:
For use in power circuits of 600/1 000V earthed systems. Installed in Cable trays, Ducts and Underground.

Construction:
30 Core, Copper stranded circular conductor, PVC Insulated, PVC bedding, steel wire armoured, flame retardant PVC Sheath.

Voltage Rating: 600 / 1 000V
Specification: SANS 1507-3

SIZE CODE				LVCP 30x(conductor size)FR 1kV																
Conductor size	Conductor diameter	Insulation diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating (estimate of maximum)			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single Phase volt drop	
									air	ground	ducts		Ω/km max	dc @ 20°C			ac @ 70°C	Symmetrical		Earth fault
mm ² 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	23.4	26.6	30.3	1.80	1 100	303	3.3	3.6	2.9	0.109	12.100	14.478	14.478	0.307	0.193	5.461	28.96	
2.5	2.00	3.65	26.3	29.5	33.2	2.23	1 317	332	4.2	4.4	3.6	0.103	7.410	8.866	8.867	0.369	0.315	6.159	17.73	
4	2.45	4.50	32.2	36.2	40.7	3.51	2 032	407	5.9	6.0	4.9	0.102	4.610	5.516	5.517	0.366	0.506	9.441	11.03	



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

Revision: R00 25/11/2019

