

27 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

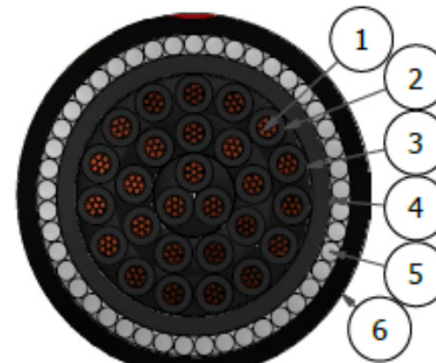
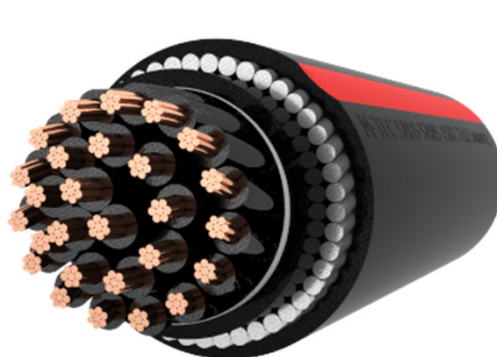
Construction:

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

SIZE CODE

LVCP 27x(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	
										air	ground	ducts		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			Ω/km	μF/km							
1.5	1.55	3.20	22.6	25.8	29.5	1.70	1 102	295	179	3.3	3.6	2.9	0.109	12.100	14.478	14.478	0.307	0.193	5.345	28.96
2.5	2.00	3.65	25.4	28.6	32.3	2.09	1 345	323	298	4.2	4.4	3.6	0.103	7.410	8.866	8.867	0.369	0.315	5.926	17.73
4	2.45	4.50	31.1	35.1	39.6	3.28	1 992	396	653	5.9	6.0	4.9	0.102	4.610	5.516	5.517	0.366	0.506	9.078	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 07/07/2017

