

19 Core
Circular Copper, PVC, PVC / LHFRPVC, SWA, FRPVC / LHFRPVC.

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

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

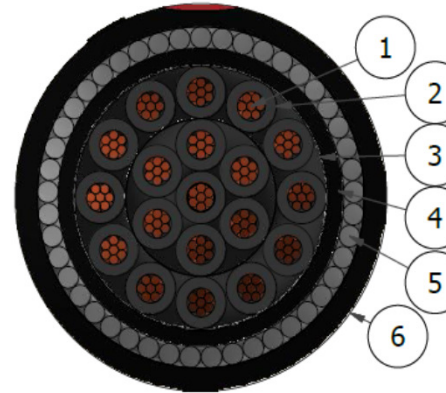
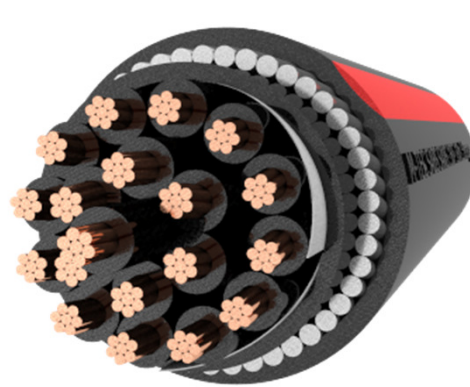
Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

SIZE CODE

LVCP 19x(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 (estimate of maximum)			Resistance		Reactance	Impedance	Capacitance	Short circuit ratings		Single phase volt drop		
									air	ground	ducts	Ω/km max	Ω/km				Ω /km	μF/km		Symmetrical	Earth fault
																				kA (1sec)	mV/A/m
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg/500m Nom.	mm min.				dc @ 20°C	ac @ 70°C	Ω/km	Ω /km	μF/km	kA (1sec)	mV/A/m			
1.5	1.55	3.20	18.9	21.4	24.9	1.14	720	249	11	11	8	12.100	14.478	0.109	14.478	0.307	0.164	2.580	28.96		
2.5	2.00	3.65	21.1	23.6	27.1	1.46	880	271	14	15	11	7.410	8.866	0.103	8.867	0.369	0.270	3.180	17.73		
4	2.45	4.50	25.4	28.6	32.3	2.23	1 340	323	19	20	14	4.610	5.516	0.102	5.517	0.366	0.440	4.910	11.03		



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

Revision: R01 04/03/2022

