

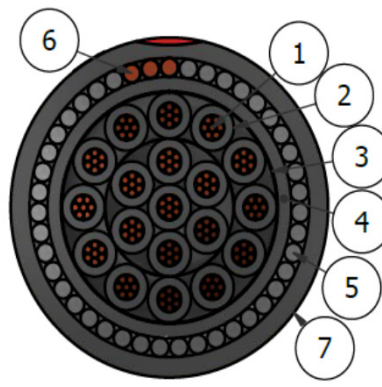
19 Core Circular Copper, PVC, PVC, SWA+ECC, FRPVC / LHFRPVC.

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 bedding, steel wire armoured + ECC, flame retardant PVC / low halogen flame retardant PVC sheath.

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

SIZE CODE				LVCP 19x(conductor size)FRE / LHE 1kV																
Conductor size	Conductor diameter	Insulation diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single phase volt drop	
									Amps	Ω/km	dc @ 20°C		ac @ 70°C	Ω /km			μF/km	kA (1sec)		mV/A/m
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.	air	ground	ducts	Ω/km	dc @ 20°C	ac @ 70°C	Ω /km	μF/km	kA (1sec)	mV/A/m		
1.5	1.6	3.6	18.5	18.5	24.4	1.19	823	244	11	12	10	0.114	12.100	14.478	14.478	0.271	0.193	3.298	28.96	
2.5	2.0	4.1	20.7	20.7	26.7	1.46	978	267	14	16	13	0.114	7.410	8.866	8.867	0.312	0.315	3.683	17.73	
4	2.5	4.5	25.0	25.0	31.9	2.22	1 362	319	19	21	16	0.114	4.610	5.516	5.517	0.374	0.506	5.647	11.03	



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Binder / separator tape if applicable
4	Bedding
5	Galvanized steel wire armour
6	Earth continuity conductor
7	Sheath

Revision: R01 19/01/2022