

37 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:

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

SIZE CODE				LVCP 37x(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)			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single phase volt drop
									air	ground	ducts		Ω/km	dc @ 20°C			ac @ 70°C	Ω /km	
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg/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	1.55	3.20	25.3	28.5	32.2	2.05	1 324	322	8	8	5	0.109	12.100	14.478	14.478	0.307	0.164	5.010	28.96
2.5	2.00	3.65	28.8	32.8	36.9	2.84	1 720	369	10	11	7	0.103	7.410	8.866	8.867	0.369	0.270	6.910	17.734
4	2.45	4.50	35.0	38.9	43.4	3.66	2 179	434	14	14	9	0.102	4.610	5.516	5.517	0.366	0.440	8.600	11.03



Item	Description
1	Annealed Copper conductor
2	PVC insulation
3	Binding /separator tape
4	Bedding
5	Steel Wire Armour
6	Sheath

Revision: R02 04/03/2022