

7 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:

7 Core, Copper stranded circular conductor, PVC Insulated, PVC bedding, steel wire armour + earth continuity conductor, flame retardant PVC / Low halogen flame retardant PVC sheath.

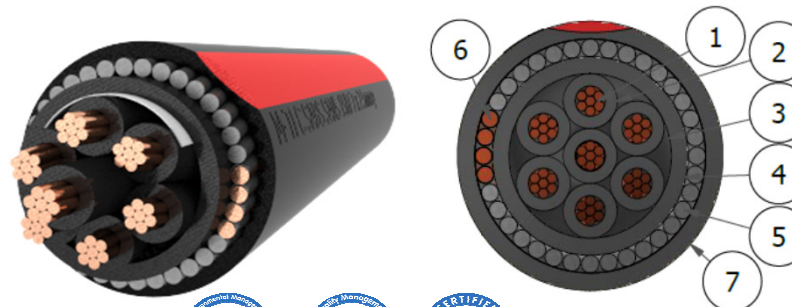
Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

SIZE CODE

LVCP 7x(conductor size)FRE / LHE 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			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.	N	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	11.3	13.8	16.8	0.63	390	168	46	15	18	15	0.114	12.100	14.478	14.478	0.271	0.193	2.196	28.96	
2.5	2.0	4.1	12.6	15.1	18.4	0.73	439	184	77	20	24	19	0.114	7.410	8.866	8.867	0.312	0.315	2.406	17.73	
4	2.5	4.5	15.2	17.7	21.0	0.98	588	210	124	26	31	25	0.114	4.610	5.516	5.517	0.374	0.506	2.855	11.03	



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Separator tape if applicable
4	Bedding
5	Galvanized steel wire armouring
6	ECC conductor
7	Sheath