

27 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:

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

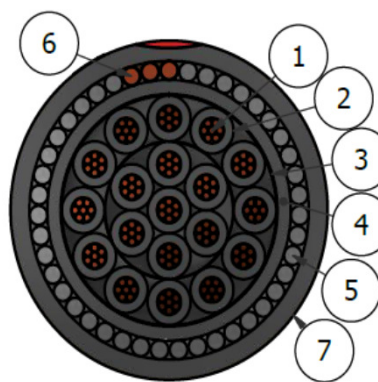
Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

SIZE CODE

LVCP 27x(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	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single phase volt drop
										estimated	Nominal	A		Ω/km max	dc @ 20°C			ac @ 70°C	Ω /km	
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	3.2	22.2	25.4	29.0	1.69	1 073	290	164	10	11	8	0.109	12.100	14.478	14.478	0.321	0.193	4.921	28.96
2.5	2.0	3.7	24.9	28.1	31.8	2.08	1 268	318	273	13	14	11	0.103	7.410	8.866	8.867	0.361	0.315	5.493	17.73



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

Note: Drawing for illustration purposes