



## 2 Core

Circular Copper, PVC, PVC, SWA + ECC, FRPVC

### Application:

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

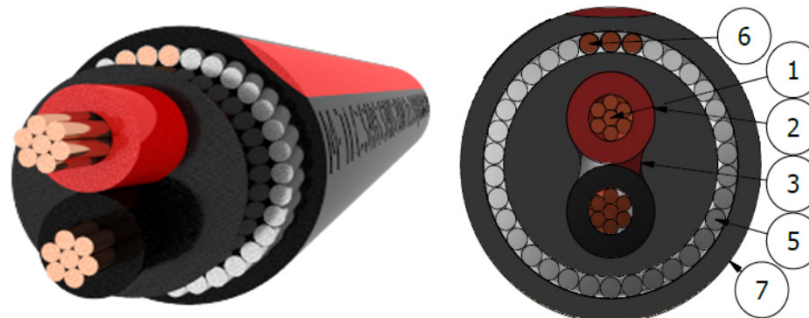
### Construction:

2 Core, Copper stranded circular conductor, PVC insulated, PVC bedding, steel wire armoured with ECC, flame retardant PVC sheath.

**Voltage Rating:** 600 / 1 000V

**Specification:** SANS 1507-3

SIZE CODE				LVCP 2x(conductor size)FRE 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						
									A	air	ground		duct	Ω/km			dc @ 20°C	ac @ 70°C		Ω /km	μF/km	Symmetrical	Earth fault	kA (1sec)	mV/A/m
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.	air	ground	duct	Ω/km	dc @ 20°C	ac @ 70°C	Ω /km	μF/km	kA (1sec)	mV/A/m							
1.5	1.6	3.2	8.1	10.6	13.7	0.41	268	137	23	29	23	0.124	12.100	14.478	14.478	0.322	0.193	1.375	28.96						
2.5	2.0	3.6	9.0	11.5	14.6	0.47	284	146	31	37	31	0.118	7.410	8.866	8.867	0.371	0.315	1.582	17.73						
4	2.5	4.5	10.7	13.2	16.3	0.59	343	163	41	50	41	0.117	4.610	5.516	5.517	0.378	0.506	1.788	11.03						
6	3.0	5.1	11.8	14.3	17.4	0.67	443	174	53	62	51	0.113	3.080	3.686	3.687	0.427	0.762	1.857	7.37						
10	3.8	5.9	13.4	0.0	18.8	0.81	526	188	72	83	68	0.107	1.830	2.191	2.194	0.515	1.274	0.000	4.39						
16	4.8	6.8	15.3	17.8	21.1	1.06	658	211	96	107	88	0.102	1.150	1.380	1.384	0.619	2.027	2.132	2.77						
25	6.0	8.2	18.9	21.4	24.9	1.46	910	249	128	142	116	0.099	0.727	0.876	0.881	0.723	3.207	2.269	1.76						



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

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