



2 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.

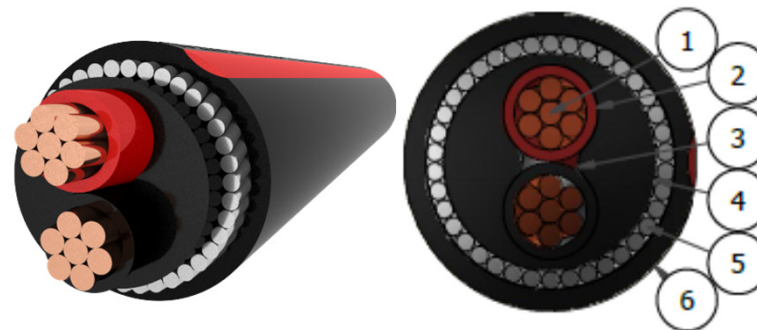
Voltage Rating: 600 / 1 000V

Construction:

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

Specification: SANS 1507-3

SIZE CODE				LVCP 2x(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			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.	500m Nom.	mm min.	Amps			Ω/km	dc @ 20°C	ac @ 70°C	Ω /km	μF/km	kA (1sec)	mV/A/m	
1.5	1.6	3.2	8.5	11.0	14.1	0.42	440	141	23	29	23	0.124	12.100	14.478	14.478	0.321	0.164	1.582	28.96
2.5	2.0	3.7	9.4	11.9	15.0	0.48	468	150	31	37	31	0.119	7.410	8.866	8.867	0.361	0.268	1.719	17.73
4	2.5	4.5	11.1	13.6	16.7	0.59	527	167	41	50	41	0.118	4.610	5.516	5.517	0.374	0.432	1.994	11.03
6	3.0	5.1	12.2	14.7	17.8	0.67	567	178	53	62	51	0.113	3.080	3.685	3.687	0.422	0.650	2.132	7.37
10	3.9	5.9	13.8	16.3	19.6	0.84	650	196	72	83	68	0.106	1.830	2.190	2.192	0.541	1.087	2.407	4.38
16	4.8	6.8	15.7	18.2	21.5	1.10	781	215	96	107	88	0.102	1.150	1.376	1.380	0.619	1.730	2.751	2.76
25	6.0	8.2	19.3	21.8	25.2	1.53	994	252	128	142	116	0.102	0.727	0.870	0.876	0.723	2.737	3.301	1.75



Item	Description
1	Phase conductor annealed Copper
2	Phase core insulation
3	Binding tape (if applicable)
4	Bedding
5	Galvanized steel wire armour
6	Sheathing UV stable

Revision: R01 09/07/2020



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