

3 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.

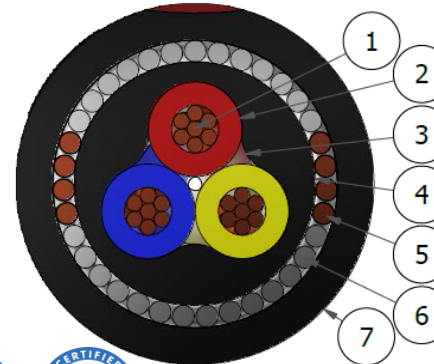
Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

Construction:

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

SIZE CODE				LVCP 3x(conductor size)FRE / LHE 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
									Amps	Ω/km max	Ω /km		μF/km	kA (1sec)			mV/A/m		
																		air	
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.											
1.5	1.6	3.2	8.6	11.1	14.2	0.44	329	142	20	24	20	0.104	12.10	14.48	14.478	0.321	0.193	1.899	25.08
2.5	2.0	3.7	9.6	12.1	15.2	0.50	359	152	26	32	26	0.104	7.41	8.87	8.867	0.361	0.315	2.037	15.36
4	2.5	4.5	11.5	14.0	17.0	0.62	419	170	36	42	34	0.103	4.61	5.52	5.517	0.374	0.506	2.560	9.56
6	3.0	5.1	12.6	15.1	18.4	0.74	480	184	45	53	43	0.098	3.08	3.69	3.687	0.422	0.762	2.767	6.39
10	3.8	5.9	14.4	16.9	20.1	0.94	580	201	62	70	58	0.093	1.83	2.19	2.193	0.509	1.274	3.359	3.80
16	4.8	6.6	16.5	19.0	22.3	1.19	706	223	82	91	75	0.086	1.15	1.38	1.383	0.666	2.027	4.200	2.40



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Binding tape (if applicable)
4	Bedding
5	ECC conductor
6	Steel wire armour
7	Sheathing

Revision: R00 25/10/2016