

4 Core

Circular Copper, XLPE, PVC, SWA, FRPVC / LHFRPVC.

Application:

For use in power circuits of 600/1 000V earthed systems. Installed in Cable trays, Ducts and Underground.

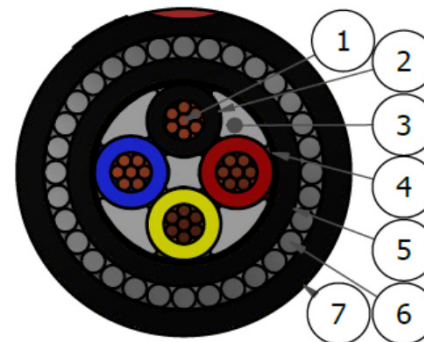
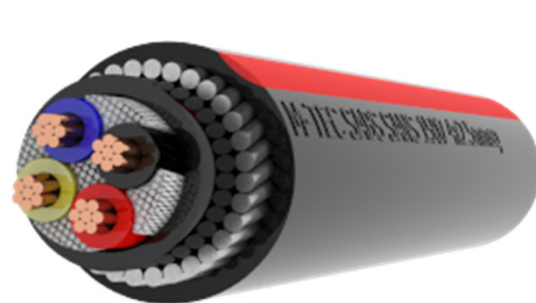
Construction:

4 Core, Copper stranded circular conductor, XLPE Insulated, PVC bedding, steel wire armoured, flame retardant PVC / Low halogen flame retardant PVC Sheath.

Voltage Rating: 600 / 1 000V

Specification: SANS 1507-4

SIZE CODE				LVCPX 4x(conductor size)FR / LH 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 max				Symmetrical	Earth fault	
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 @ 90°C	Ω /km	μF/km	kA (1sec)	mV/A/m	
1.5	1.6	3.0	8.9	11.4	14.5	0.43	325	145	13	20	24	20	0.100	12.10	15.43	15.429	0.354	0.205	1.650	26.72
2.5	2.0	3.5	10.0	12.5	15.6	0.51	364	156	22	26	32	26	0.100	7.41	9.45	9.449	0.397	0.334	1.857	16.37
4	2.5	3.9	11.1	13.6	16.7	0.61	416	167	35	36	42	34	0.093	4.61	5.88	5.879	0.500	0.537	2.063	10.18
6	3.0	4.5	12.4	14.9	18.0	0.72	470	180	53	45	53	43	0.091	3.08	3.93	3.929	0.548	0.809	2.269	6.80
10	3.8	5.3	14.7	17.2	20.5	0.96	590	205	88	62	70	58	0.086	1.83	2.33	2.337	0.668	1.353	2.682	4.05
16	4.8	6.3	17.0	19.5	22.8	1.27	744	228	141	82	91	75	0.083	1.15	1.47	1.473	0.787	2.152	3.026	2.55



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Filler
4	Binding tape
5	Bedding
6	Steel wire armour
7	Sheath