

4 Core
90° Shaped solid Aluminium, silane XLPE, FRPVC, SWA, FRPVC.

Application:

For use in power circuits of 0.6/1kV earthed systems. Installed in cable trays, ducts and underground.

Construction:

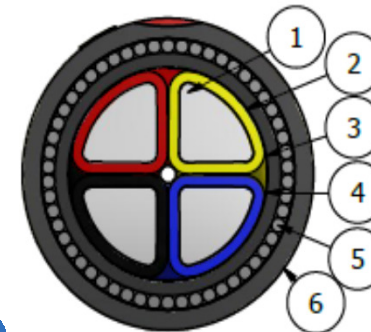
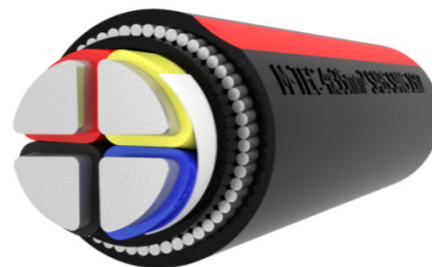
4 Core, 90° sector shaped solid Aluminium conductor, PVC insulated, flame retardant / low halogen flame retardant PVC bedding, steel wire armoured and flame retardant / low halogen flame retardant PVC sheath.

Voltage Rating: 600/1 000V

Specification: SANS 1507-4

SIZE CODE **APX 4X(size)FR/LH 1kV**

Conductor size	Conductor depth	Insulation depth	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		3 Phase volt drop
										Amps				Ω/km max				Symmetrical	Earth fault	
										air	ground	ducts		dc @ 20°C	ac @ 90°C					
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm	mm Nom.	kg/m Nom.	300m Nom.	mm min.	N											
25	5.30	7.15	19.2	21.7	25.2	1.1	498	252	221	100	107	87	0.095	1.20	1.54	1.543	0.464	2.4	3.0	2.67
35	6.25	8.10	21.4	23.9	27.4	1.3	557	274	309	119	126	102	0.092	0.87	1.11	1.114	0.536	3.3	3.3	1.93
50	7.35	9.35	24.2	27.4	31.1	1.8	694	311	441	147	153	126	0.093	0.64	0.82	0.825	0.577	4.8	4.9	1.43
70	8.85	11.10	28.6	31.8	35.9	2.3	890	359	618	185	186	153	0.093	0.44	0.57	0.577	0.613	6.7	5.7	1.00
95	10.45	12.70	32.2	36.2	40.7	3.1	1,128	407	838	223	223	186	0.087	0.32	0.41	0.419	0.712	9.0	8.1	0.73
120	11.75	14.15	35.7	39.7	44.2	3.6	1,275	442	1,059	266	256	214	0.086	0.25	0.32	0.331	0.747	11.4	8.8	0.57
150	13.00	15.80	39.9	44.9	49.8	4.7	1,665	498	1,324	304	288	237	0.086	0.21	0.26	0.274	0.712	14.3	12.4	0.47
185	14.60	17.80	44.4	49.4	54.4	5.5	1,903	544	1,633	352	326	274	0.087	0.16	0.21	0.227	0.701	17.6	13.8	0.39
240	16.75	20.15	49.8	54.8	60.1	6.5	2,229	601	2,118	418	381	316	0.092	0.13	0.16	0.184	0.752	22.8	15.3	0.32
300	18.75	22.35	54.9	59.9	65.6	7.7	2,568	656	2,648	485	428	358	0.092	0.10	0.13	0.159	0.791	28.5	16.7	0.28



Item	Description
1	Solid Aluminium Conductor
2	Insulation
3	Separator / Binding Tape
4	Bedding
5	Steel Wire Armouring
6	Sheathing