

3 Core

120° Sector shaped Aluminium, XLPE Silane, FRPVC / LHFRPVC, CNE, FRPVC / LHFRPVC.

Application:

For use in power circuits of 600/1000V earthed systems. Installed in Cable trays, ducts and underground.

Construction:

3 Core, Aluminium stranded sector shaped conductor, XLPE Silane insulated, flame retardant PVC / Low halogen FRPVC bedding, concentric neutral earth and flame retardant PVC / low halogen FRPVC sheath.

Voltage Rating: 600 / 1 000V

Specification: SANS 1507-4

SIZE CODE

APSX 3x(conductor size)FR / LH CNE 1kV

Conductor size	Conductor depth/diameter	Insulation depth/diameter	Bedding diameter	CWS diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		3 Phase volt drop
									Amps	air	ground		ducts	Ω/km			dc @ 20°C	ac @ 90°C	
35	5.9	7.8	19	24	30	1.0	400	298	119	126	102	0.082	0.868	1.113	1.116	0.509	3.0	3.9	1.93
50	7.8	9.8	24	28	35	1.3	530	347	147	153	126	0.080	0.641	0.822	0.826	0.592	4.1	4.5	1.43
70	8.3	10.6	25	30	37	1.5	600	365	185	186	153	0.080	0.443	0.568	0.574	0.577	5.9	4.8	0.99
95	9.7	12.0	29	33	41	1.9	770	407	223	223	186	0.075	0.320	0.410	0.417	0.663	8.2	5.4	0.72
120	11.0	13.4	32	36	44	2.3	880	445	266	256	214	0.075	0.253	0.324	0.333	0.685	10.3	6.0	0.58
150	12.2	15.0	35	39	48	2.7	1010	482	304	288	237	0.075	0.206	0.264	0.275	0.655	12.7	7.5	0.48
185	16.4	19.6	45	49	60	3.7	1400	598	352	326	274	0.074	0.164	0.210	0.223	0.760	15.9	10.5	0.39
240*	18.9	22.3	52	56	68	4.5	1800	682	418	381	316	0.073	0.125	0.160	0.176	0.818	20.9	10.5	0.30

Note: * These cables are manufactured with circular conductors.



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