

3 Core

120° Sector shaped Aluminium, PVC, PVC, 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, PVC insulated, PVC bedding, concentric neutral earth and flame retardant PVC / low halogen FRPVC sheath.

Voltage Rating: 600 / 1 000V

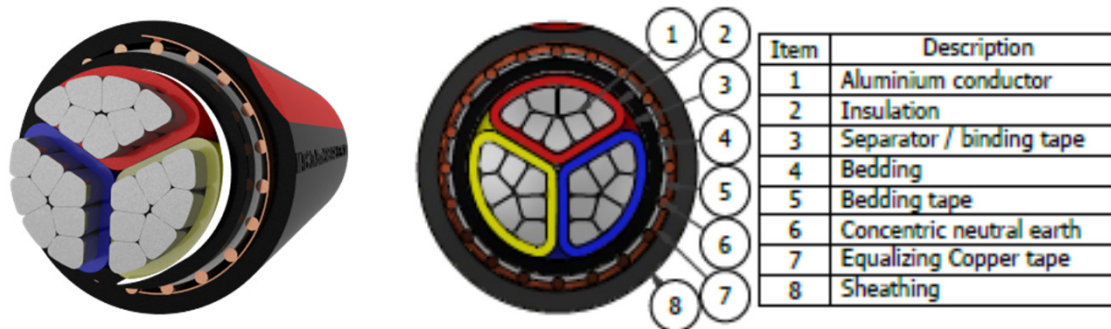
Specification: SANS 1507-3

SIZE CODE

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

Conductor size	Conductor depth	Insulation depth	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Maximum pulling force	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		3 Phase volt drop
																		Symmetrical	Earth fault	
										Amps	Ω/km max									
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	300m Nom. kg	mm min.	N	air	ground	ducts	Ω/km	dc @ 20°C	ac @ 90°C	Ω /km	μF/km	kA (1sec)	mV/A/m	
35	5.9	8.4	21	23	27	1.0	439	271	278	119	126	102	0.114	0.868	1.043	1.049	0.629	2.4	2.1	1.82
50	7.8	10.7	25	28	32	1.3	539	321	397	147	153	126	0.097	0.641	0.770	0.776	0.703	3.3	3.4	1.34
70	8.3	11.2	27	30	34	1.3	543	344	556	185	186	153	0.096	0.443	0.533	0.541	0.742	4.8	4.9	0.94
95	9.7	13.0	31	34	39	2.1	792	386	755	223	223	186	0.093	0.320	0.385	0.396	0.759	6.6	6.8	0.69
120	11.0	14.3	33	36	42	2.5	893	417	953	266	256	214	0.091	0.253	0.305	0.318	0.847	8.3	6.8	0.55
150	12.2	15.9	37	40	46	3.0	1063	462	1 192	304	288	237	0.091	0.206	0.248	0.265	0.839	10.2	9.1	0.46
185	16.4	20.5	47	51	57	4.1	1 374	567	1 470	352	326	274	0.091	0.164	0.198	0.218	0.996	12.8	12.5	0.38
240*	18.4	23.0	54	57	64	5.0	1636	639	1 906	418	381	316	0.096	0.125	0.152	0.179	0.996	16.8	12.7	0.31

Note: * These cables are manufactured with circular conductors.



Revision: R00 05/06/2018