



### 4 Core

Stranded Copper, PVC, FRPVC / LHFRPVC, SWA+ECC, FRPVC / LHFRPVC.

#### Application:

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

#### Construction:

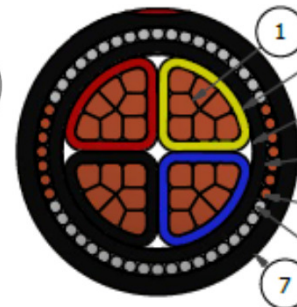
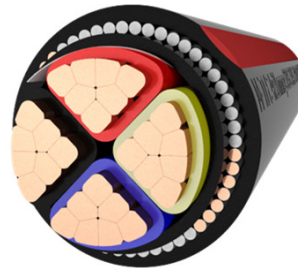
4 Core, Copper stranded sector shaped conductor, PVC insulated, flame retardant PVC / Low halogen FRPVC bedding, steel wire armoured + earth continuity conductor and flame retardant PVC / low halogen FRPVC sheath.

Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

SIZE CODE				CP 4x(conductor size)FR / LH ECC 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	
mm <sup>2</sup> 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 @ 70°C	Ω /km	μF/km	kA (1sec)	mV/A/m	
25	5.0	7.5	22	24	28	1.9	720	280	441	109	119	96	0.103	0.727	0.870	0.876	0.555	3.2	4.9	1.52
35	5.9	8.4	24	27	31	2.7	948	308	618	133	143	116	0.099	0.524	0.627	0.635	0.638	4.4	7.2	1.10
50	7.8	10.2	27	30	35	3.4	1 160	346	883	162	169	138	0.094	0.387	0.463	0.473	0.806	6.0	7.9	0.82
70	8.3	11.2	31	35	40	4.7	1569	400	1 236	205	210	171	0.096	0.268	0.321	0.335	0.748	8.7	12.4	0.58
95	9.7	13.0	36	40	45	6.2	1 998	451	1 677	252	251	205	0.093	0.193	0.232	0.250	0.763	12.1	15.0	0.43
120	11.0	14.2	40	45	50	7.8	2490	497	2 118	291	285	234	0.091	0.153	0.184	0.205	0.848	15.2	21.1	0.36
150	12.2	15.8	44	49	54	9.2	2 925	541	2 648	334	320	263	0.091	0.124	0.150	0.175	0.838	18.8	22.9	0.30
185	13.7	17.8	49	54	59	11.2	3497	591	3 266	383	361	298	0.091	0.099	0.120	0.151	0.846	23.5	24.0	0.26
240	18.9	23.4	60	65	71	14.6	4 532	712	4 237	451	416	344	0.097	0.075	0.092	0.134	1.036	30.9	33.3	0.23
300*	21.2	26.1	67	73	79	18.6	5737	790	5 296	514	465	385	0.096	0.060	0.075	0.122	1.063	38.8	53.7	0.21

Note: \* These cables are manufactured with circular conductors.



Item	Description
1	Anealed Copper conductor
2	Insulation
3	Separator / binding tape
4	Bedding
5	Steel wire armouring
6	ECC conductor
7	Sheathing

Revision: R01 03/12/2018



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