

## 4 Core

90° Sector shaped Copper, PVC, PVC, SWA, FRPVC / LHFRPVC.

### Application:

For use in power circuits of 600 / 1 000V earthed systems. Installed in cable trays, ducts and underground.

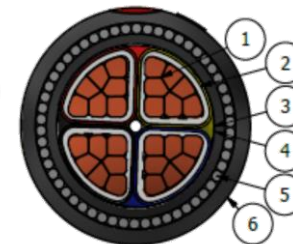
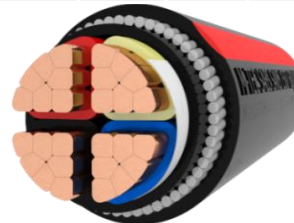
Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

### Construction:

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

SIZE CODE				CP 4x(conductor size)FR / LH 1kV															
Conductor size	Conductor depth	Insulation depth	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		3 Phase volt drop
									air	ground	ducts		Ω/km max	dc @ 20°C			ac @ 70°C	Ω /km	
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	300m Nom.	mm min.				Ω/km						kA (1sec)	mV/A/m
25	5.7	8.2	21.6	24.1	27.6	2.0	749	276	109	119	96	0.088	0.727	0.870	0.874	0.613	3.2	3.7	1.51
35	6.7	9.2	23.9	27.1	30.8	2.6	971	308	133	143	116	0.085	0.524	0.627	0.633	0.711	4.4	5.2	1.10
50	7.8	10.6	27.3	30.5	34.6	3.4	1187	346	162	169	138	0.085	0.387	0.464	0.471	0.705	6.0	6.2	0.82
70	9.4	12.3	31.4	35.4	40.0	4.7	1612	400	205	210	171	0.082	0.268	0.321	0.332	0.834	8.7	8.6	0.57
95	11.1	14.3	36.2	40.2	45.1	6.1	2029	451	252	251	205	0.078	0.193	0.232	0.245	0.855	12.1	9.8	0.42
120	12.5	15.7	39.8	44.8	49.7	7.7	2579	497	291	285	234	0.077	0.153	0.184	0.200	0.950	15.2	13.5	0.35
150	14.0	17.6	44.2	49.2	54.1	9.2	3014	541	334	320	263	0.077	0.124	0.150	0.169	0.947	18.8	14.8	0.29
185	15.6	19.7	48.8	53.8	59.1	11.1	3751	591	383	361	298	0.077	0.099	0.121	0.143	0.950	23.5	16.4	0.25
240	17.8	22.8	56.0	61.0	67.1	14.1	4652	671	451	416	344	0.075	0.075	0.094	0.120	0.896	30.9	19.5	0.21



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

Revision: R03 29/08/2019



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