



**Single Core**  
Copper, PVC Insulated.

**Application:**

For use in power circuit systems of 600 / 1000V. Installed in cable trays and ducts.

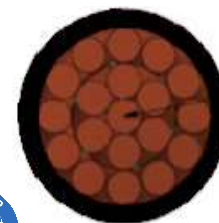
**Construction:**

Single core, circular Copper stranded conductor, FRPVC insulated.

Voltage Rating: 600 / 1000V

Specification: SANS 1507-3

SIZE CODE		CPC 1x(conductor size) 1kV													
Conductor size	Conductor diameter	Insulation diameter	Cable mass	Gross mass 500m	Bending radius	Current rating Trefoil		Resistance Ω/km max		Reactance Ω/km	Impedance Ω/km	Capacitance μF/km	Short circuit symmetrical kA (1sec)	Volt Drop	
						air	ducts	dc @ 20°C	ac @ 70°C					Single phase	3 Phase
mm <sup>2</sup> Nom	mm Nom.	mm Nom.	kg/m Nom.	kg Nom.	mm Min.	A								mV/A/m	
16	4.80	6.80	0.17	134	68	80	56	1.15	1.38	0.083	1.379	0.638	1.74	2.76	2.39
25	6.00	8.46	0.27	185	85	128	116	0.73	0.87	0.091	0.875	0.647	2.75	1.75	1.52
35	7.10	9.56	0.37	278	96	156	139	0.52	0.63	0.084	0.633	0.747	3.82	1.27	1.10
50	8.20	11.07	0.49	343	111	189	165	0.39	0.46	0.084	0.472	0.740	5.17	0.94	0.82
70	9.40	12.27	0.69	459	123	237	203	0.27	0.33	0.081	0.335	0.873	7.46	0.67	0.58
95	11.65	14.93	0.97	634	149	293	244	0.19	0.24	0.081	0.255	0.896	10.36	0.51	0.44
120	13.05	16.33	1.21	753	163	338	278	0.15	0.20	0.076	0.218	0.991	13.07	0.44	0.38
150	14.75	18.44	1.50	898	184	384	311	0.12	0.18	0.076	0.194	0.995	16.13	0.39	0.34
185	16.25	20.35	1.87	1 085	204	445	354	0.10	0.16	0.076	0.173	0.988	20.18	0.35	0.30
240	18.30	22.81	2.41	1 403	228	525	410	0.08	0.13	0.075	0.149	1.009	26.52	0.30	0.26
300	21.15	26.07	3.02	1 712	261	598	459	0.06	0.11	0.075	0.130	1.063	33.27	0.26	0.23
400	23.85	29.18	3.86	2 129	292	685	517	0.05	0.09	0.075	0.114	1.102	42.54	0.23	0.20
500	27.15	32.89	4.94	2 719	329	780	563	0.04	0.07	0.073	0.102	1.159	54.63	0.20	0.18



Item	Description
1	HD Copper conductor
2	Insulation

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