

Single Core

Copper, PVC insulated, non-armoured, FRPVC / LHFRPVC sheathed.

Application:

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

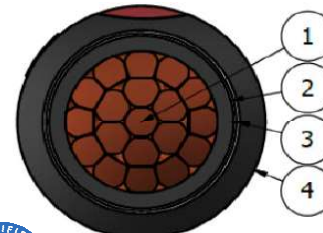
Construction:

Single core, circular Copper stranded conductor, PVC insulated, FRPVC sheath.

Voltage Rating: 600 / 1000V

Specification: SANS 1507-3

SIZE CODE		CPP 1x(conductor size)FR / LH 1kV															
Conductor size	Conductor diameter	Insulation diameter	Cable diameter	Cable mass	Gross mass 500m	Bending radius	Maximum pulling force on conductor	Current rating Trefoil		Resistance Ω/km max		Reactance Ω/km	Impedance Ω/km	Capacitance μF/km	Short circuit Symmetrical kA (1sec)	Volt Drop	
								A air	A ducts	dc @ 20°C	ac @ 70°C					Single phase mV/A/m	3 Phase
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg Nom.	mm Min.	kg										
25	6.00	8.50	11.74	0.31	248	94	100	110	89	0.73	0.87	0.108	0.877	0.638	2.75	1.75	1.52
35	7.10	9.60	12.84	0.45	318	103	140	137	110	0.52	0.63	0.103	0.636	0.737	3.82	1.27	1.10
50	8.20	11.10	14.76	0.60	395	118	200	167	134	0.39	0.46	0.102	0.475	0.734	5.17	0.95	0.82
70	9.90	12.80	16.46	0.81	517	132	280	216	171	0.27	0.32	0.097	0.338	0.865	7.46	0.68	0.58
95	11.75	15.10	18.72	1.10	659	150	380	264	207	0.19	0.24	0.094	0.256	0.886	10.36	0.51	0.44
120	13.10	16.40	20.02	1.34	871	160	480	308	239	0.15	0.20	0.089	0.216	0.989	13.07	0.43	0.37
150	14.75	18.50	22.13	1.65	1 023	177	600	356	262	0.12	0.17	0.088	0.190	0.981	16.13	0.38	0.33
185	16.30	20.50	24.65	2.06	1 228	197	740	409	296	0.10	0.15	0.085	0.169	0.969	20.18	0.34	0.29
240	18.85	23.40	27.46	2.66	1 529	220	960	485	346	0.08	0.12	0.085	0.144	1.028	26.52	0.29	0.25
300	21.15	26.10	30.17	3.30	1 848	241	1 200	561	394	0.06	0.10	0.082	0.128	1.057	33.27	0.26	0.22
400	23.85	29.20	33.28	4.16	2 279	266	1 600	656	467	0.05	0.08	0.082	0.114	1.098	42.54	0.23	0.20
500	27.15	32.90	37.40	5.31	2 855	299	2 000	749	533	0.04	0.06	0.082	0.104	1.157	54.63	0.21	0.18



Item	Description
1	Conductor
2	Insulation
3	Separator tape (if applicable)
4	Sheathing

Revision: R01 2020/02/25

