

Low Voltage PVC Cables

PVC 1kV 1 core copper
Black

F4CC...
...K

Primary group code
Finish code

Copper 1 Core
600/1000V
SANS 1507

Size code	...naaa...	1025	1035	1050	1070	1095	1120	1150	1185	1240	1300	1400	1500	1630
Conductor size	mm ² nom	25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter	mm app.	6.5	7.5	8.5	10.0	12.0	13.5	15.0	16.5	19.0	21.5	24.0	27.5	31.5
Insulation diameter	mm app.	8.5	10.0	11.5	13.0	15.0	16.5	18.5	20.5	23.5	26.0	30.0	33.0	37.0
Cable diameter	mm app.	8.5	10.0	11.5	13.0	15.0	16.5	18.5	20.5	23.5	26.0	30.0	33.0	37.0
Cable mass	kg/m app.	0.26	0.35	0.47	0.67	0.92	1.13	1.40	1.75	2.29	2.87	3.65	4.67	5.96
Gross mass (500 m)	kg app.	167	211	273	372	495	604	737	913	1183	1471	1863	2372	3018
Bending radius	mm min.	85	100	115	130	150	165	185	205	235	260	300	330	370
Current rating	(trefoil)													
In air	Amps	110	135	170	220	270	310	360	420	495	580	680	780	900
Resistance														
dc @ 20°C	Ω/km max	0.727	0.524	0.387	0.268	0.232	0.153	0.124	0.099	0.075	0.060	0.047	0.037	0.028
ac @ 70°C	Ω/km max	0.870	0.627	0.464	0.321	0.235	0.184	0.150	0.121	0.093	0.075	0.061	0.049	0.041
Reactance	Ω/km	0.086	0.084	0.084	0.098	0.093	0.091	0.088	0.087	0.086	0.082	0.080	0.080	0.077
Impedance 70°C	Ω/km	0.874	0.633	0.471	0.330	0.242	0.198	0.167	0.086	0.117	0.111	0.101	0.094	0.087
Short circuit ratings														
Symmetrical	kA (1sec)	3.2	4.5	6.0	8.7	12.1	15.2	18.8	23.5	30.9	38.8	35.3	45.3	58.6

When ordering please quote: primary + size + finish code
e.g. F4CC 1120 K



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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