

Only for use in applications protected from solar radiation

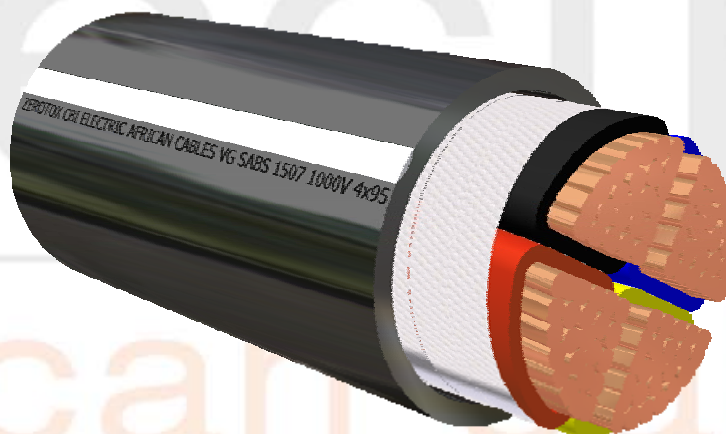
NHLSFR F6CC... Primary group code
ZEROTOX (white stripe) ...003 Finish code

Copper 4 Core
600/1000V
SANS 1507

Size code	...naaa...	4025	4035	4050	4070	4095	4120	4150	4185	4240	4300
Conductor size	mm ² nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	6.0	7.0	8.0	9.5	11.0	12.5	14.0	15.5	18.0	20.0
Insulation diameter	mm app.	8.5	9.5	11.0	12.5	14.5	16.0	17.5	20.0	22.5	25.0
Cable diameter	mm app.	22.5	25.0	28.5	32.5	37.5	40.5	44.5	50.0	57.0	63.5
Cable mass	kg/m app.	1.2	1.6	2.2	3.0	4.1	5.0	6.1	7.7	10.1	12.6
Gross mass (300 m)	kg app.	410	555	743	1015	1394	1791	2121	2583	3530	4280
Bending radius	mm min.	338	375	428	488	563	608	668	750	855	953
Current rating											
In ground	Amps	120	145	170	210	260	295	325	360	420	475
In ducts	Amps	99	120	140	175	210	240	265	305	350	395
In air	Amps	115	140	170	215	260	305	340	390	465	520
Resistance											
dc @ 20°C	Ω/km max	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.099	0.075	0.061
ac @ 70°C	Ω/km max	0.870	0.627	0.464	0.322	0.233	0.185	0.151	0.121	0.094	0.077
Reactance	Ω/km	0.080	0.077	0.077	0.072	0.071	0.069	0.069	0.069	0.069	0.069
Impedance	Ω/km	0.874	0.632	0.470	0.330	0.244	0.197	0.166	0.139	0.117	0.103
Short circuit ratings											
Symmetrical	kA (1sec)	2.7	3.8	5.1	7.4	10.3	13.0	16.0	20.0	26.3	33.1
(Three Phase) Volt Drop	mV/A/m	1.51	1.09	0.81	0.57	0.42	0.34	0.29	0.24	0.20	0.18

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F6CC 4025 003



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