

Copper | Core
600/1000V
CONCENTRIC SERVICE CONNECTION
SANS 1507-6

XLPE F7CCC... Primary group code
No Communication Cores, PE ...S1 Finish code

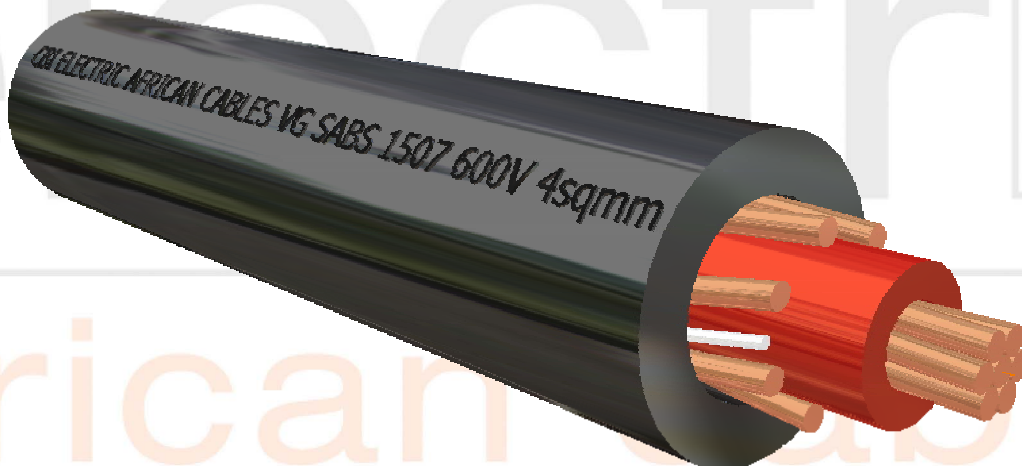
Size code	...aaa...	004	010	016
Conductor size	mm ² nom	4	10	16
Conductor diameter	mm app.	2.5	4	5.0
Insulation diameter	mm app.	4.5	6.0	7.0
Cable diameter	mm app.	9.0	11.0	12.5
Cable mass	kg/m app.	0.10	0.20	0.31
Gross mass (500 m)	kg app.	80	132	185
Bending radius	mm min.	180	220	250
Current rating				
In air	Amps	30	80	100
In ground	Amps	60	130	160
Resistance				
dc @ 20°C	Ω/km max	4.61	1.83	1.15
ac @ 90°C	Ω/km max	5.88	2.33	1.47
Reactance	Ω/km	0.103	0.091	0.087
Impedance	Ω/km	5.879	2.335	1.469
Short circuit ratings				
Symmetrical	kA (1sec)	0.5	1.4	2.2
(Single Phase) Volt Drop	mV/A/m	11.76	4.67	2.94

Last updated May 2006

When ordering please quote: primary + size + finish code

e.g. F7CCC 010 **S1**

- S1 SANS with no Communication cores
- S2 SANS with 2 Communication cores
- S4 SANS with 2x1mm² Flexible Communication cores



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