

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

XLPE F7CCS... Primary group code  
No Communication Cores, PE ...SI Finish code

SPLIT CONCENTRIC SERVICE CONNECTION

Size code	...aaa...	004	010	016	025
Conductor size	mm <sup>2</sup> nom	4	10	16	25
Conductor diameter	mm app.	2.5	4	5.0	6.1
Insulation diameter	mm app.	4.5	6.0	7.0	8.0
Cable diameter	mm app.	9.0	11.0	12.5	15.0
Cable mass	kg/m app.	0.10	0.20	0.31	0.46
Gross mass ( 500 m )	kg app.	80	132	185	260
Bending radius	mm min.	180	220	250	300
<b>Current rating</b>					
In air	Amps	30	80	100	TF
In ground	Amps	60	130	160	TF
<b>Resistance</b>					
dc @ 20°C	Ω/km max	4.61	1.83	1.15	0.73
ac @ 90°C	Ω/km max	5.88	2.33	1.47	0.93
<b>Reactance</b>					
	Ω/km	0.103	0.091	0.087	0.083
<b>Impedance</b>					
	Ω/km	5.879	2.335	1.469	0.931
<b>Short circuit ratings</b>					
Symmetrical	kA (1sec)	0.5	1.4	2.2	3.4
(Single Phase) Volt Drop	mV/A/m	23.52	9.34	5.88	3.72
Maximum stringing tension	N	230#	518#	802#	1330#
Maximum stringing length	m	30*	30*	30*	30*

# Based on an Ambient 30°C, Factor of safety 4

\* Based on an Ambient 30°C, conductor UTS and height difference between pole and the house connection

When ordering please quote: primary + size + finish code

e.g. F7CCC 010 SI

- SI SANS with no Communication cores
- S2 SANS with 2 Communication cores
- S4 SANS with 2x1mm<sup>2</sup> Flexible Communication cores



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