

# Low Voltage XLPE Cables

XLPE  
FRPVC (red stripe)  
LHPVC (blue stripe)

F2CA... Primary group code  
...001... Finish code  
...002...

Aluminium I Core  
600/1000V  
SANS 1507

Size code	...naaa...	1070	1095	1120	1150	1185	1240	1300	1400	1500	1630	1800	1999
Conductor size	mm <sup>2</sup> nom	70	95	120	150	185	240	300	400	500	630	800	1000
Conductor diameter	mm app.	10.0	12.0	13.5	14.0	16.0	18.5	20.5	23.0	26.5	30.0	34.0	39.0
Insulation diameter	mm app.	12.0	14.0	16.0	18.0	19.0	22.0	24.0	27.5	31.0	35.0	40.0	45.0
Cable diameter	mm app.	16.0	18.0	20.0	21.5	23.5	26.5	29	32	36.0	40.0	45.5	51.0
Cable mass	kg/m app.	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	1.9	2.4	3.0	3.7
Gross mass ( 500 m )	kg app.	208	288	342	393	468	617	731	909	1127	1415	1735	2858
Bending radius	mm min.	240	280	320	360	380	440	480	550	620	700	800	980
Current rating	(trefoil)												
In air	Amps	206	253	296	343	395	471	544	640	730	834	945	1052
Resistance													
dc @ 20°C	Ω/km max	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.060	0.047	0.037	0.029
ac @ 90°C	Ω/km max	0.569	0.411	0.325	0.265	0.212	0.162	0.131	0.103	0.082	0.066	0.048	0.039
Reactance	Ω/km	0.073	0.071	0.073	0.072	0.070	0.071	0.068	0.069	0.068	0.069	0.070	0.069
Impedance	Ω/km	0.573	0.417	0.334	0.275	0.223	0.177	0.148	0.124	0.107	0.096	0.085	0.079
Short circuit ratings													
Symmetrical	kA (1sec)	5.9	8.2	10.3	12.7	15.9	20.9	26.2	33.6	43.2	55.8	71.3	89.9
(Three Phase) Volt Drop	mV/A/m	0.99	0.72	0.58	0.48	0.39	0.31	0.26	0.21	0.19	0.17	0.15	0.14

When ordering please quote: primary + size + finish code  
e.g. F2CA 1150 001



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