

Low Voltage XLPE Cables

XLPE	F2CC...	Primary group code	Copper 2 Core
FRPVC (red stripe)	...001	Finish code	600/1000V
LHPVC (blue stripe)	...002		SANS 1507

Size code	...naaa...	2915	2925	2004	2006	2010	2016	2025	2035	2050
Conductor size	mm ² nom	1.5	2.5	4	6	10	16	25	*35	*50
Conductor diameter	mm app.	1.6	2.0	2.5	3.0	4.0	5.0	4.0	5.0	5.5
Insulation diameter	mm app.	3.0	3.5	4.0	4.5	5.5	6.5	6.0	7.0	7.5
Cable diameter	mm app.	10.0	10.5	11.5	12.5	14.5	16.5	16.0	17.5	19.5
Cable mass	kg/m app.	0.16	0.19	0.24	0.31	0.44	0.60	0.61	0.80	1.05
Gross mass (500 m)	kg app.	78	92	122	145	213	279	356	449	571
Bending radius	mm min.	80	84	92	100	116	132	128	140	156
Current rating										
In ground	Amps	36	46	61	76	100	130	145	180	223
In air	Amps	30	40	53	68	92	120	131	160	195
Resistance										
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15	0.73	0.52	0.39
ac @ 90°C	Ω/km max	15.43	9.45	5.88	3.93	2.33	1.47	0.93	0.67	0.49
Reactance										
Impedance	Ω/km	0.106	0.099	0.093	0.089	0.084	0.081	0.059	0.057	0.056
Short circuit ratings										
Symmetrical	kA (1sec)	0.2	0.3	0.5	0.8	1.4	2.2	3.4	4.7	6.4
(Single Phase) Volt Drop	mV/A/m	30.86	18.90	11.76	7.86	4.67	2.94	1.86	1.34	1.00

Last updated May 2006

*D Shaped Conductors.

When ordering please quote: primary + size + finish code

e.g. F2CC 2925 001



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