



# S.M.C

600 / 1000 V to 1.9 / 3.3 KV Cables

600/1000 V TO 1.9/3.3 KV CABLES

A.C. RESISTANCE AND REACTANCE VALUES

Nominal Area of Conductor Sqmm	XLPE INSULATED CABLES	
	A.C. Resistance at 90°C	Reactance at 50 Hz
	Multicore cables	Multicore Cables
	Copper	
	Ohm/km	Ohm/km
1.0	-	-
1.5	15.43	0.115
2.5	9.45	0.107
4	5.88	0.093
6	3.93	0.089
10	2.33	0.084
16	1.47	0.081
25	0.927	0.081
35	0.668	0.079
50	0.494	0.075
70	0.342	0.074
95	0.247	0.073
120	0.197	0.072
150	0.160	0.072
185	0.128	0.072
240	0.0989	0.071
300	0.0802	0.070
400	0.0645	0.070
500	0.0530	0.070
630	-	-
800	-	-
1000	-	-