Table 1
Physical Parameters
Relemac Copper Conductor 1.5 sq.mm, PVC Insulated Unarmoured/ Armoured PVC Sheathed Control Cables

No of Cores	Thick of Insl	Thick of I/sheath	Dimension of Armour		Thick of O/sheath				Overall Diameter			Approx Mass/ Km		
			Wire	Strip	Unarmd		Armd		Unarmd	Armd		Unarmd	Armd	
					Nom	Min	Wire	Strip		Wire	Strip		Wire	Strip
No	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	Kg/ Km		
2	0.80	0.30	1.40	-	1.80	1.24	1.24	-	11	13	-	160	340	-
3	0.80	0.30	1.40	-	1.80	1.24	1.24	-	12	14	-	190	360	-
4	0.80	0.30	1.40	-	1.80	1.24	1.24	-	13	14	-	220	400	-
5	0.80	0.30	1.40	-	1.80	1.24	1.24	-	14	15	-	260	460	-
6	0.80	0.30	1.40	-	1.80	1.24	1.24	-	15	16	-	280	510	-
7	0.80	0.30	1.40	-	1.80	1.24	1.24	-	15	16	-	300	530	-
10	0.80	0.30	1.40	-	1.80	1.24	1.40	-	18	20	-	380	700	-
12	0.80	0.30	1.60	4 x .8	1.80	1.24	1.40	1.24	18	21	19	430	810	620
14	0.80	0.30	1.60	4 x .8	1.80	1.24	1.40	1.40	19	22	20	490	880	680
16	0.80	0.30	1.60	4 x .8	1.80	1.24	1.40	1.40	20	23	21	540	970	760
19	0.80	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	21	24	22	630	1060	830
24	0.80	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	25	27	25	780	1220	1020
27	0.80	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	25	27	26	850	1360	1110
30	0.80	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	26	28	27	930	1450	1180
37	0.80	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	28	30	28	1100	1690	1380
40	0.80	0.30	1.60	4 x .8	2.00	1.40	1.56	1.40	29	31	29	1170	1780	1460
44	0.80	0.30	1.60	4 x .8	2.00	1.40	1.56	1.56	31	34	32	1290	1950	1630
52	0.80	0.40	2.00	4 x .8	2.20	1.56	1.56	1.56	33	36	33	1520	2390	1850
61	0.80	0.40	2.00	4 x .8	2.20	1.56	1.56	1.56	35	38	35	1740	2660	2090

Table 2

Electrical Parameters for Relemac 1.5 sq.mm. Cooper Conductor PVC Insulated & PVC Sheathed Cables

No of Cores	Max. D. C. Resistance at 20 Deg C	Approx A. C. Resistance		Reactance of Cable at 50 Hz	Capacitance of Cable	Current Rating						Short Circuit Rating for 1 second duration	
		At 70 Deg C	At 85 Deg C			General Purpose Insulation			Heat Resisting Insulation			General Purpose Insulation	Heat Resisting Insulation
						Ground	Duct	Air	Ground	Duct	Air		
No	Ohm/Km	Ohm/Km		Ohm/Km	µF/Km	A	A	A	A	A	A	kA	kA
2	12.1	14.52	15.20	0.112	0.20	23	20	20	26	24	24	0.173	0.156
3	12.1	14.52	15.20	0.112	0.20	21	17	17	24	21	21	0.173	0.156
4	12.1	14.52	15.20	0.112	0.20	21	17	17	24	21	21	0.173	0.156
5	12.1	14.52	15.20	0.112	0.20	21	17	17	24	21	21	0.173	0.156
6	12.1	14.52	15.20	0.112	0.20	15	13	13	17	16	16	0.173	0.156
7	12.1	14.52	15.20	0.112	0.20	14	13	13	16	15	15	0.173	0.156
10	12.1	14.52	15.20	0.112	0.20	13	11	11	15	13	13	0.173	0.156
12	12.1	14.52	15.20	0.112	0.20	12	10	10	14	12	12	0.173	0.156
14	12.1	14.52	15.20	0.112	0.20	11	10	10	13	12	12	0.173	0.156
16	12.1	14.52	15.20	0.112	0.20	11	9	9	13	11	11	0.173	0.156
19	12.1	14.52	15.20	0.112	0.20	10	9	9	11	11	11	0.173	0.156
24	12.1	14.52	15.20	0.112	0.20	9	8	8	10	10	10	0.173	0.156
27	12.1	14.52	15.20	0.112	0.20	9	8	8	10	10	10	0.173	0.156
30	12.1	14.52	15.20	0.112	0.20	9	7	7	10	8	8	0.173	0.156
37	12.1	14.52	15.20	0.112	0.20	8	7	7	9	8	8	0.173	0.156
40	12.1	14.52	15.20	0.112	0.20	8	7	7	9	8	8	0.173	0.156
44	12.1	14.52	15.20	0.112	0.20	7	7	7	8	7	7	0.173	0.156
52	12.1	14.52	15.20	0.112	0.20	6	6	6	7	7	7	0.173	0.156
61	12.1	14.52	15.20	0.112	0.20	6	6	6	7	7	7	0.173	0.156