Relemac 1.5 sq.mm Copper Conductor XLPE Insulated Control Cables Unarmoured/Wire/ Strip Armoured Cables 2XY/2XWY/2XFY

Table 1

Physical Parameters

Relemac Copper Conductor 1.5 sq.mm, XLPE 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	0.70	0.30	1.40	-	1.80	1.24	1.24	-	10	13	-	150	320	-
3	0.70	0.30	1.40	-	1.80	1.24	1.24	-	11	13	-	170	330	-
4	0.70	0.30	1.40	-	1.80	1.24	1.24	-	12	14	-	200	370	-
5	0.70	0.30	1.40	-	1.80	1.24	1.24	-	13	15	-	230	420	-
6	0.70	0.30	1.40	-	1.80	1.24	1.24	-	14	16	-	250	460	-
7	0.70	0.30	1.40	-	1.80	1.24	1.24	-	14	16	-	260	470	-
10	0.70	0.30	1.40	-	1.80	1.24	1.24	-	16	19	-	340	640	-
12	0.70	0.30	1.40	-	1.80	1.24	1.40	-	17	20	-	380	750	-
14	0.70	0.30	1.40	-	1.80	1.24	1.40	-	18	21	-	420	800	-
16	0.70	0.30	1.60	4 x .8	1.80	1.24	1.40	1.40	19	22	20	470	860	660
19	0.70	0.30	1.60	4 x .8	1.80	1.24	1.40	1.40	20	22	21	550	940	750
24	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	23	25	24	680	1140	920
27	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	24	26	24	730	1210	970
30	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	25	27	25	800	1290	1030
37	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	26	29	27	940	1510	1200
40	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	27	29	28	1030	1590	1310
44	0.70	0.30	1.60	4 x .8	2.00	1.40	1.56	1.40	30	32	30	1130	1760	1420
52	0.70	0.30	1.60	4 x .8	2.00	1.40	1.56	1.56	31	33	32	1290	1950	1640
61	0.70	0.40	2.00	4 x .8	2.20	1.56	1.56	1.56	33	36	34	1520	2410	1860

Table 2

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

No of Cores	Max. D. C. Resistance at 20 Deg C	A. C. Resistance At 90 Deg C	Reactance of Cable at 50 Hz	Capacitance of Cable	Current Carrying Capacity			Short Circuit Rating for 1 second duration
					Ground	Duct	Air	
No	Ohm/Km	Ohm/Km	Ohm/Km	µF/Km	A	A	A	kA
2	12.1	15.49	0.102	0.09	33	29	29	0.215
3	12.1	15.49	0.102	0.09	25	22	22	0.215
4	12.1	15.49	0.102	0.09	25	22	22	0.173
5	12.1	15.49	0.102	0.09	24	21	21	0.215
6	12.1	15.49	0.102	0.09	22	19	19	0.215
7	12.1	15.49	0.102	0.09	21	18	18	0.215
10	12.1	15.49	0.102	0.09	18	16	16	0.215
12	12.1	15.49	0.102	0.09	17	15	15	0.215
14	12.1	15.49	0.102	0.09	16	14	14	0.215
16	12.1	15.49	0.102	0.09	16	14	14	0.215
19	12.1	15.49	0.102	0.09	15	13	13	0.215
24	12.1	15.49	0.102	0.09	13	12	12	0.215
27	12.1	15.49	0.102	0.09	13	11	11	0.215
30	12.1	15.49	0.102	0.09	12	11	11	0.215
37	12.1	15.49	0.102	0.09	11	10	10	0.215
40	12.1	15.49	0.102	0.09	11	9	9	0.215
44	12.1	15.49	0.102	0.09	11	9	9	0.215
52	12.1	15.49	0.102	0.09	10	9	9	0.215
61	12.1	15.49	0.102	0.09	9	8	8	0.215