Relemac 2.5 sq.mm Copper Conductor XLPE Insulated Control Cables Unarmoured/Wire/ Strip Armoured Cables 2XY/2XWY/2XFY

Table 1
Physical Parameters
Relemac Copper Conductor 2.5 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	-	12	13	-	180	370	-
3	0.70	0.30	1.40	-	1.80	1.24	1.24	-	12	14	-	210	390	-
4	0.70	0.30	1.40	-	1.80	1.24	1.24	-	13	15	-	250	440	-
5	0.70	0.30	1.40	-	1.80	1.24	1.24	-	14	16	-	300	500	-
6	0.70	0.30	1.40	-	1.80	1.24	1.24	-	15	17	-	330	560	-
7	0.70	0.30	1.40	-	1.80	1.24	1.24	-	15	17	-	350	590	-
10	0.70	0.30	1.60	4 x .8	1.80	1.24	1.40	1.24	19	21	20	450	850	650
12	0.70	0.30	1.60	4 x .8	1.80	1.24	1.40	1.40	20	22	20	530	920	700
14	0.70	0.30	1.60	4 x .8	1.80	1.24	1.40	1.40	21	23	21	590	1000	750
16	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	22	24	22	660	1080	880
19	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	23	25	23	750	1200	970
24	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	26	29	27	930	1480	1190
27	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	27	29	27	1020	1580	1300
30	0.70	0.30	1.60	4 x .8	2.00	1.40	1.40	1.40	28	30	28	1110	1690	1410
37	0.70	0.30	1.60	4 x .8	2.00	1.40	1.56	1.40	30	32	31	1370	1980	1690
40	0.70	0.30	1.60	4 x .8	2.00	1.40	1.56	1.56	31	33	32	1450	2110	1800
44	0.70	0.40	2.00	4 x .8	2.20	1.56	1.56	1.56	34	37	34	1630	2520	1990
52	0.70	0.40	2.00	4 x .8	2.20	1.56	1.56	1.56	35	38	36	1870	2810	2250
61	0.70	0.40	2.00	4 x .8	2.20	1.56	1.56	1.56	37	40	38	2150	3160	3160

Table 2

Electrical Parameters for Relemac 2.5 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	7.41	9.48	0.100	0.10	39	32	32	0.358
3	7.41	9.48	0.100	0.10	34	30	30	0.358
4	7.41	9.48	0.100	0.10	34	30	30	0.358
5	7.41	9.48	0.100	0.10	31	28	28	0.358
6	7.41	9.48	0.100	0.10	29	26	26	0.358
7	7.41	9.48	0.100	0.10	27	25	25	0.358
10	7.41	9.48	0.100	0.10	24	21	21	0.358
12	7.41	9.48	0.100	0.10	22	20	20	0.358
14	7.41	9.48	0.100	0.10	21	19	19	0.358
16	7.41	9.48	0.100	0.10	20	18	18	0.358
19	7.41	9.48	0.100	0.10	19	17	17	0.358
24	7.41	9.48	0.100	0.10	17	16	16	0.358
27	7.41	9.48	0.100	0.10	16	16	16	0.358
30	7.41	9.48	0.100	0.10	16	14	14	0.358
37	7.41	9.48	0.100	0.10	15	13	13	0.358
40	7.41	9.48	0.100	0.10	14	13	13	0.358
44	7.41	9.48	0.100	0.10	14	13	13	0.358
52	7.41	9.48	0.100	0.10	13	12	12	0.358
61	7.41	9.48	0.100	0.10	12	11	11	0.358