

LT CONTROL CABLES

1.1 KV 1.5 sqmm SOLID COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CONTROL CABLE

CONFORMING SPECIFICATION IS 1554 (PART - I)

No. Of Cores	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
			Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
2	0.8	0.3	1.8	11.80	190	1.4	1.24	13.50	400	12.10	20	23
3	0.8	0.3	1.8	12.50	215	1.4	1.24	14.50	450	12.10	17	21
4	0.8	0.3	1.8	13.50	250	1.4	1.24	15.50	485	12.10	17	21
5	0.8	0.3	1.8	14.30	285	1.4	1.24	16.00	540	12.10	17	21
6	0.8	0.3	1.8	15.50	320	1.4	1.24	17.10	600	12.10	13	15
7	0.8	0.3	1.8	15.50	330	1.4	1.24	17.10	620	12.10	13	14
10	0.8	0.3	1.8	18.80	450	1.4	1.40	20.50	825	12.10	11	13
12	0.8	0.3	1.8	19.20	500	4 x 0.8	1.40	21.00	730	12.10	10	12
14	0.8	0.3	1.8	20.00	550	4 x 0.8	1.40	21.50	810	12.10	10	11
16	0.8	0.3	2.0	20.50	610	4 x 0.8	1.40	21.80	890	12.10	9	11
19	0.8	0.3	2.0	22.00	700	4 x 0.8	1.40	23.00	980	12.10	9	10
24	0.8	0.3	2.0	25.00	900	4 x 0.8	1.40	26.00	1200	12.10	8	9
27	0.8	0.3	2.0	26.00	960	4 x 0.8	1.40	26.90	1280	12.10	8	9
30	0.8	0.3	2.0	27.00	1040	4 x 0.8	1.40	27.50	1350	12.10	7	9
37	0.8	0.3	2.0	28.50	1200	4 x 0.8	1.40	29.00	1550	12.10	7	8

1.1 KV 1.5 sq. mm. SOLID COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CONTROL CABLE**CONFORMING SPECIFICATION IS 7098 (PART - I)**

No. Of Cores	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE 2XY			ARMoured CABLE 2XWY & 2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
			Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
	m	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
2	0.7	0.3	1.8	11.50	180	1.4	1.24	13.0	390	12.10	26	26
3	0.7	0.3	1.8	11.90	200	1.4	1.24	14.0	435	12.10	24	24
4	0.7	0.3	1.8	13.00	225	1.4	1.24	14.6	460	12.10	24	24
5	0.7	0.3	1.8	13.80	250	1.4	1.24	15.1	500	12.10	20	24
6	0.7	0.3	1.8	15.00	300	1.4	1.24	16.5	560	12.10	14	16
7	0.7	0.3	1.8	14.90	305	1.4	1.24	16.5	575	12.10	14	16
10	0.7	0.3	1.8	18.00	410	1.4	1.24	19.8	780	12.10	13	14
12	0.7	0.3	1.8	18.60	460	4 x 0.8	1.24	20.0	700	12.10	12	13
14	0.7	0.3	1.8	19.00	500	4 x 0.8	1.24	21.0	780	12.10	11	13
16	0.7	0.3	1.8	20.00	580	4 x 0.8	1.40	20.8	830	12.10	11	11
19	0.7	0.3	1.8	21.50	650	4 x 0.8	1.40	22.0	890	12.10	10	11
24	0.7	0.3	2.0	24.00	835	4 x 0.8	1.40	25.0	1100	12.10	10	10
27	0.7	0.3	2.0	25.20	890	4 x 0.8	1.40	26.0	1150	12.10	8	9
30	0.7	0.3	2.0	26.50	970	4 x 0.8	1.40	26.9	1200	12.10	8	9
37	0.7	0.3	2.0	28.00	1100	4 x 0.8	1.40	28.0	1325	12.10	7	8

1.1 KV 2.5 sqmm SOLID COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CONTROL CABLE**CONFORMING SPECIFICATION IS 1554 (PART - I)**

No. Of Cores	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
			Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
2	0.9	0.3	1.8	12.50	230	1.4	1.24	15.00	460	7.41	32	27
3	0.9	0.3	1.8	13.00	280	1.4	1.24	15.50	490	7.41	27	24
4	0.9	0.3	1.8	14.00	320	1.4	1.24	16.50	580	7.41	27	24
5	0.9	0.3	1.8	15.00	360	1.4	1.24	17.50	650	7.41	27	24
6	0.9	0.3	1.8	16.00	390	1.4	1.24	18.00	750	7.41	21	18
7	0.9	0.3	1.8	16.00	410	1.4	1.24	18.00	765	7.41	20	17
10	0.9	0.3	1.8	20.00	540	4 x 0.8	1.40	21.00	850	7.41	18	15
12	0.9	0.3	2.0	21.00	630	4 x 0.8	1.40	22.00	925	7.41	17	14
14	0.9	0.4	2.0	22.00	700	4 x 0.8	1.40	23.00	1025	7.41	16	13
16	0.9	0.4	2.0	23.00	790	4 x 0.8	1.40	24.00	1125	7.41	15	13
19	0.9	0.4	2.0	24.00	900	4 x 0.8	1.40	25.00	1300	7.41	14	12
24	0.9	0.4	2.0	28.00	1100	4 x 0.8	1.40	29.00	1550	7.41	13	11
27	0.9	0.4	2.0	29.00	1250	4 x 0.8	1.40	30.00	1650	7.41	12	10
30	0.9	0.4	2.0	30.00	1350	4 x 0.8	1.56	31.00	1825	7.41	12	10
37	0.9	0.5	2.0	32.00	1600	4 x 0.8	1.56	33.00	2150	7.41	11	9

1.1 KV 1.5 sqmm SOLID COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CONTROL CABLE**CONFORMING SPECIFICATION IS 7098 (PART - I)**

No. Of Cores	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE 2XY			ARMoured CABLE 2XWY & 2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
			Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
2	0.7	0.3	1.8	12.00	225	1.4	1.24	14.50	455	7.41	36	32
3	0.7	0.3	1.8	12.50	274	1.4	1.24	15.00	485	7.41	31	29
4	0.7	0.3	1.8	13.00	310	1.4	1.24	16.00	570	7.41	31	29
5	0.7	0.3	1.8	14.00	350	1.4	1.24	17.00	640	7.41	31	29
6	0.7	0.3	1.8	15.00	375	1.4	1.24	17.60	730	7.41	23	20
7	0.7	0.3	1.8	15.00	385	1.4	1.24	17.60	745	7.41	23	20
10	0.7	0.3	1.8	19.00	525	4 x 0.8	1.24	20.00	810	7.41	19	17
12	0.7	0.3	1.8	20.00	600	4 x 0.8	1.40	21.00	890	7.41	18	17
14	0.7	0.3	1.8	21.00	670	4 x 0.8	1.40	22.00	975	7.41	17	16
16	0.7	0.4	1.8	22.00	750	4 x 0.8	1.40	23.00	1075	7.41	17	14
19	0.7	0.4	2.0	23.00	860	4 x 0.8	1.40	24.00	1225	7.41	16	13
24	0.7	0.4	2.0	27.00	1025	4 x 0.8	1.40	28.00	1425	7.41	14	12
27	0.7	0.4	2.0	28.00	1125	4 x 0.8	1.40	29.00	1575	7.41	14	12
30	0.7	0.4	2.0	29.00	1200	4 x 0.8	1.56	30.00	1700	7.41	13	11
37	0.7	0.4	2.0	31.00	1500	4 x 0.8	1.56	32.00	2050	7.41	11	11