

## LT CONTROL (Solid-Copper) Cables

POLARIS - LT CONTROL SOLID COPPER CONDUCTOR, ARMoured & UNARMoured, PVC INSULATED & SHEATHED CABLES 1100 V AS PER IS-1554 (1)

CABLE SIZE	No of Cond. Wires	Thick of PVC Insul. (Nom.)	Thick of Inner Sheath (Min.)	Dia. Of Armour Wire G.I	Thickness of Outer Sheath (Min.)		Approx. Overall Diameter		Approx. Net Wt. of Cable		Max. D.C. resist. at 20°C	Approx A.C. resist. at 70°C	Approx. react-ance at 50 Hz	Approx. capaci-tance per phase	Current Rating			Short Circuit rating for 1 sec.	Standard Delivery Length		
					Arm.	Unarm.	Arm.	Unarm.	Arm.	Unarm.					Direct in Ground	In Duct	In Air		Kilo Amps	Arm.	Unarm.
					mm	mm	mm	mm	Kg/Km	Kg/Km					Ohm/Km	Ohm/Km	Ohm/Km			mf/Km	Amps
2 X 1.50 MM <sup>2</sup>	1	0.80	0.30	1.40	1.24	1.80	12.75	11.05	349	165	12.1	14.5	0.126	0.140	23	20	20	0.173	1500	2000	
3 X 1.50 MM <sup>2</sup>	1	0.80	0.30	1.40	1.24	1.80	13.30	11.65	384	192	12.1	14.5	0.126	0.140	21	17	17	0.173	1500	2000	
4 X 1.50 MM <sup>2</sup>	1	0.80	0.30	1.40	1.24	1.80	14.20	12.50	442	227	12.1	14.5	0.126	0.140	21	17	17	0.173	1500	2000	
5 X 1.50 MM <sup>2</sup>	1	0.80	0.30	1.40	1.24	1.80	15.10	13.40	498	260	12.1	14.5	0.126	0.140	21	17	17	0.173	1000	1500	
6 X 1.50 MM <sup>2</sup>	1	0.80	0.30	1.40	1.24	1.80	16.00	14.35	554	296	12.1	14.5	0.126	0.140	15	13	13	0.173	1000	1500	
7 X 1.50 MM <sup>2</sup>	1	0.80	0.30	1.40	1.24	1.80	16.20	14.50	584	320	12.1	14.5	0.126	0.140	14	13	13	0.173	1000	1500	
10 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	1.80	18.20	17.40	642	360	12.1	14.5	0.126	0.140	13	11	11	0.173	1000	1000	
12 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	1.80	18.70	17.90	701	397	12.1	14.5	0.126	0.140	12	10	10	0.173	1000	1000	
14 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	19.50	19.10	769	427	12.1	14.5	0.126	0.140	11	10	10	0.173	750	750	
16 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	20.40	20.00	840	478	12.1	14.5	0.126	0.140	11	9	9	0.173	500	500	
19 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	21.30	20.90	932	552	12.1	14.5	0.126	0.140	10	9	9	0.173	500	500	
24 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	23.45	23.05	1106	609	12.1	14.5	0.126	0.140	9	8	8	0.173	500	500	
27 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	25.80	25.40	1244	688	12.1	14.5	0.126	0.140	9	8	8	0.173	500	500	
30 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	26.55	26.15	1331	830	12.1	14.5	0.126	0.140	9	7	7	0.173	500	500	
37 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.40	2.00	27.55	27.15	1514	933	12.1	14.5	0.126	0.140	8	7	7	0.173	500	500	
44 X 1.50 MM <sup>2</sup>	1	0.80	0.30	4 x 0.80	1.56	2.00	29.00	28.30	1722	1009	12.1	14.5	0.126	0.140	7	6	6	0.173	250	250	
52 X 1.50 MM <sup>2</sup>	1	0.80	0.40	4 x 0.80	1.56	2.20	31.00	30.70	1959	1177	12.1	14.5	0.126	0.140	7	6	6	0.173	250	250	
61 X 1.50 MM <sup>2</sup>	1	0.80	0.40	4 x 0.80	1.56	2.20	34.70	34.40	2270	1348	12.1	14.5	0.126	0.140	6	6	6	0.173	250	250	
2 X 2.50 MM <sup>2</sup>	1	0.90	0.30	1.40	1.24	1.80	14.10	12.45	431	218	7.41	8.87	0.119	0.150	32	27	27	0.288	1500	2000	
3 X 2.50 MM <sup>2</sup>	1	0.90	0.30	1.40	1.24	1.80	14.60	12.90	475	250	7.41	8.87	0.119	0.150	27	24	24	0.288	1500	1500	
4 X 2.50 MM <sup>2</sup>	1	0.90	0.30	1.40	1.24	1.80	15.65	14.00	552	303	7.41	8.87	0.119	0.150	27	24	24	0.288	1000	1500	
5 X 2.50 MM <sup>2</sup>	1	0.90	0.30	1.40	1.24	1.80	16.70	15.05	620	344	7.41	8.87	0.119	0.150	27	24	24	0.288	1000	1000	
6 X 2.50 MM <sup>2</sup>	1	0.90	0.30	1.40	1.24	1.80	17.80	16.15	696	394	7.41	8.87	0.119	0.150	21	18	18	0.288	1000	1000	
7 X 2.50 MM <sup>2</sup>	1	0.90	0.30	1.40	1.40	1.80	18.30	16.30	750	429	7.41	8.87	0.119	0.150	20	17	17	0.288	1000	1000	
10 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.40	2.00	20.60	20.20	834	485	7.41	8.87	0.119	0.150	18	15	15	0.288	750	750	
12 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.40	2.00	21.20	20.80	920	557	7.41	8.87	0.119	0.150	17	14	14	0.288	750	750	
14 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.40	2.00	22.15	21.75	1017	600	7.41	8.87	0.119	0.150	16	13	13	0.288	500	500	
16 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.40	2.00	23.20	22.80	1116	677	7.41	8.87	0.119	0.150	15	12	12	0.288	500	500	
19 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.40	2.00	24.30	23.90	1251	761	7.41	8.87	0.119	0.150	14	12	12	0.288	500	500	
24 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.40	2.00	26.90	26.50	1500	844	7.41	8.87	0.119	0.150	13	11	11	0.288	500	500	
27 X 2.50 MM <sup>2</sup>	1	0.90	0.30	4 x 0.80	1.56	2.20	29.95	29.65	1705	962	7.41	8.87	0.119	0.150	12	10	10	0.288	250	250	
30 X 2.50 MM <sup>2</sup>	1	0.90	0.40	4 x 0.80	1.56	2.20	30.90	30.55	1837	1172	7.41	8.87	0.119	0.150	12	10	10	0.288	250	250	
37 X 2.50 MM <sup>2</sup>	1	0.90	0.40	4 x 0.80	1.56	2.20	32.10	31.80	2111	1344	7.41	8.87	0.119	0.150	11	9	9	0.288	250	250	
44 X 2.50 MM <sup>2</sup>	1	0.90	0.40	4 x 0.80	1.56	2.20	33.45	33.15	2389	1459	7.41	8.87	0.119	0.150	10	9	9	0.288	250	250	
52 X 2.50 MM <sup>2</sup>	1	0.90	0.40	4 x 0.80	1.56	2.20	35.85	35.50	2734	1718	7.41	8.87	0.119	0.150	10	8	8	0.288	250	250	
61 X 2.50 MM <sup>2</sup>	1	0.90	0.40	4 x 0.80	1.72	2.40	40.60	40.35	3207	1977	7.41	8.87	0.119	0.150	9	8	8	0.288	250	250	

**Notes : Colour Code**

**Two core : Red & Black**

**Five core : Red, Yellow, Blue, Black & Grey**