

## LT CONTROL (Multistranded- Copper) CABLES

**POLARIS - LT CONTROL MULTISTRANDED 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
Sq. mm	No.	mm	mm	mm	mm	mm	mm	mm	mm	Kg/Km	Kg/Km	Ohm/Km	Ohm/Km	Ohm/Km	mf/Km	Amps	Amps	Amps	Kilo Amps	Mtrs	Mtrs
2 X 1.50 MM <sup>2</sup>	7	0.80	0.30	1.40	1.24	1.80	13.10	11.40	366	173	12.1	14.5	0.126	0.140	23	20	20	0.173	1500	2000	
3 X 1.50 MM <sup>2</sup>	7	0.80	0.30	1.40	1.24	1.80	13.70	12.00	403	199	12.1	14.5	0.126	0.140	21	17	17	0.173	1500	2000	
4 X 1.50 MM <sup>2</sup>	7	0.80	0.30	1.40	1.24	1.80	14.60	12.95	462	237	12.1	14.5	0.126	0.140	21	17	17	0.173	1500	2000	
5 X 1.50 MM <sup>2</sup>	7	0.80	0.30	1.40	1.24	1.80	15.60	13.90	520	271	12.1	14.5	0.126	0.140	21	17	17	0.173	1000	1500	
6 X 1.50 MM <sup>2</sup>	7	0.80	0.30	1.40	1.24	1.80	16.50	14.90	577	308	12.1	14.5	0.126	0.140	15	13	13	0.173	1000	1500	
7 X 1.50 MM <sup>2</sup>	7	0.80	0.30	1.40	1.24	1.80	16.60	15.05	603	332	12.1	14.5	0.126	0.140	14	13	13	0.173	1000	1500	
10 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	1.80	18.95	18.15	671	444	12.1	14.5	0.126	0.140	13	11	11	0.173	1000	1000	
12 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	1.80	19.40	18.65	728	496	12.1	14.5	0.126	0.140	12	10	10	0.173	1000	1000	
14 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	20.30	19.90	802	572	12.1	14.5	0.126	0.140	11	10	10	0.173	750	750	
16 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	21.20	20.80	873	630	12.1	14.5	0.126	0.140	11	9	9	0.173	500	500	
19 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	22.20	21.80	971	713	12.1	14.5	0.126	0.140	10	9	9	0.173	500	500	
24 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	24.50	24.10	1153	861	12.1	14.5	0.126	0.140	9	8	8	0.173	500	500	
27 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	27.00	26.55	1298	967	12.1	14.5	0.126	0.140	9	8	8	0.173	500	500	
30 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	27.75	27.35	1385	1045	12.1	14.5	0.126	0.140	9	7	7	0.173	500	500	
37 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.40	2.00	28.80	28.40	1573	1217	12.1	14.5	0.126	0.140	8	7	7	0.173	500	500	
44 X 1.50 MM <sup>2</sup>	7	0.80	0.30	4 x 0.80	1.56	2.00	30.35	29.60	1791	1392	12.1	14.5	0.126	0.140	7	6	6	0.173	250	250	
52 X 1.50 MM <sup>2</sup>	7	0.80	0.40	4 x 0.80	1.56	2.20	32.45	32.15	2035	1637	12.1	14.5	0.126	0.140	7	6	6	0.173	250	250	
61 X 1.50 MM <sup>2</sup>	7	0.80	0.40	4 x 0.80	1.56	2.20	36.40	36.05	2361	1902	12.1	14.5	0.126	0.140	6	6	6	0.173	250	250	
2 X 2.50 MM <sup>2</sup>	7	0.90	0.30	1.40	1.24	1.80	14.50	12.90	451	229	7.41	8.87	0.119	0.150	32	27	27	0.288	1500	2000	
3 X 2.50 MM <sup>2</sup>	7	0.90	0.30	1.40	1.24	1.80	15.10	13.40	498	261	7.41	8.87	0.119	0.150	27	24	24	0.288	1500	1500	
4 X 2.50 MM <sup>2</sup>	7	0.90	0.30	1.40	1.24	1.80	16.15	14.50	577	314	7.41	8.87	0.119	0.150	27	24	24	0.288	1000	1500	
5 X 2.50 MM <sup>2</sup>	7	0.90	0.30	1.40	1.24	1.80	17.35	15.65	649	357	7.41	8.87	0.119	0.150	27	24	24	0.288	1000	1000	
6 X 2.50 MM <sup>2</sup>	7	0.90	0.30	1.40	1.24	1.80	18.50	16.85	728	409	7.41	8.87	0.119	0.150	21	18	18	0.288	1000	1000	
7 X 2.50 MM <sup>2</sup>	7	0.90	0.30	1.40	1.40	1.80	18.90	17.05	779	447	7.41	8.87	0.119	0.150	20	17	17	0.288	1000	1000	
10 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.40	2.00	21.55	21.15	871	623	7.41	8.87	0.119	0.150	18	15	15	0.288	750	750	
12 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.40	2.00	22.10	21.80	956	704	7.41	8.87	0.119	0.150	17	14	14	0.288	750	750	
14 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.40	2.00	23.15	22.75	1058	786	7.41	8.87	0.119	0.150	16	13	13	0.288	500	500	
16 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.40	2.00	24.30	23.90	1163	874	7.41	8.87	0.119	0.150	15	12	12	0.288	500	500	
19 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.40	2.00	25.45	25.05	1301	995	7.41	8.87	0.119	0.150	14	12	12	0.288	500	500	
24 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.40	2.00	28.20	27.80	1557	1211	7.41	8.87	0.119	0.150	13	11	11	0.288	500	500	
27 X 2.50 MM <sup>2</sup>	7	0.90	0.30	4 x 0.80	1.56	2.20	31.45	31.10	1773	1387	7.41	8.87	0.119	0.150	12	10	10	0.288	250	250	
30 X 2.50 MM <sup>2</sup>	7	0.90	0.40	4 x 0.80	1.56	2.20	32.40	32.10	1905	1508	7.41	8.87	0.119	0.150	12	10	10	0.288	250	250	
37 X 2.50 MM <sup>2</sup>	7	0.90	0.40	4 x 0.80	1.56	2.20	33.70	33.40	2188	1772	7.41	8.87	0.119	0.150	11	9	9	0.288	250	250	
44 X 2.50 MM <sup>2</sup>	7	0.90	0.40	4 x 0.80	1.56	2.20	35.15	34.85	2476	2039	7.41	8.87	0.119	0.150	10	9	9	0.288	250	250	
52 X 2.50 MM <sup>2</sup>	7	0.90	0.40	4 x 0.80	1.56	2.20	37.70	37.40	2832	2358	7.41	8.87	0.119	0.150	10	8	8	0.288	250	250	
61 X 2.50 MM <sup>2</sup>	7	0.90	0.40	4 x 0.80	1.72	2.40	42.70	42.50	3320	2787	7.41	8.87	0.119	0.150	9	8	8	0.288	250	250	

**Notes : Colour Code**

**Two core : Red & Black**

**Three core : Red, Yellow & Blue**

**Four core : Red, Yellow, Blue & Black**

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

**Six cores & Above : One Yellow, One Blue in each layer & remaining cores Grey OR**

**by Number printing on grey coloured cores.**