

GRID INDIA POWER CABLES PVT. LTD.



1 CORE ALUMINIUM XLPE ARMoured POWER CABLES												
No. of cores and cross sectional area	Min. No. of wires	Thickness of PVC Insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.)	Approx. Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20 (Ohm/Km)	Max. A.C. Resistance at 70 Deg. (Ohms/Km)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS	
											Direct in Ground	In Air
											Amps	Amps
1C x 25	6	1.20	1.40	1.2400	14.000	270	1.2000	1.5400	0.116	0.40	96	98
1C x 35	6	1.20	1.40	1.2400	15.000	320	0.8680	1.1100	0.110	0.47	114	121
1C x 50	6	1.30	1.40	1.2400	17.000	390	0.6410	0.8200	0.103	0.50	135	150
1C x 70	12	1.40	1.40	1.2400	19.000	490	0.4430	0.5670	0.099	0.55	166	187
1C x 95	15	1.40	1.60	1.4000	21.000	650	0.3200	0.4100	0.097	0.64	198	230
1C x 120	15	1.50	1.60	1.4000	23.000	760	0.2530	0.3250	0.093	0.67	225	268
1C x 150	15	1.70	1.60	1.4000	25.000	880	0.2060	0.2650	0.091	0.67	253	309
1C x 185	30	1.90	1.60	1.4000	27.000	1050	0.1640	0.2100	0.090	0.67	286	360
1C x 240	30	2.00	1.60	1.4000	29.000	1280	0.1250	0.1620	0.086	0.72	332	433
1C x 300	30	2.10	1.60	1.5600	32.000	1530	0.1000	0.1300	0.085	0.75	376	501
1C x 400	53	2.40	2.00	1.5600	37.000	2000	0.0778	0.1023	0.085	0.75	431	596
1C x 500	53	2.60	2.00	1.5600	40.000	2410	0.0605	0.0808	0.083	0.77	490	693
1C x 630	53	2.80	2.00	1.7200	45.000	2990	0.0469	0.0648	0.082	0.81	557	814
1C x 800	53	3.10	2.00	1.8800	50.000	3730	0.0367	0.0530	0.081	0.88	600	890
1C x 1000	53	3.30	2.50	2.0400	56.000	4730	0.0291	0.0444	0.081	0.88	650	1050