GRID INDIA POWER CABLES PVT. LTD.

3 CORE COPPER ARMOURED POWER CABLES																	
No. of cores and cross sectional area	Min. No. of wires	Thickness of PVC Insulation (Nom.) (mm)	Min. Thickness of PVC Innersheath (mm)	Nominal Dimensions of Armour (mm)		Min. Thickness of PVC Outer Sheath (mm)		Overall Diameter (Approx.) (mm)		Approx. Net. Wet. of Cable		Max. D.C. Resistance at 20 (Ohms/Km)	Max. A.C. Resistance at 70 (Ohms/Km)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS	
																Direct in Ground	In Air
				Strip	Wire	Strip Armour	Wire Armour	Strip Armour	Wire Armour	Strip Armour (Kg/Km)	Wire Armour (Kg/Km)					Amps	Amps
3C x 1.5	1	0.8	0.3	-	1.4	-	1.24	-	14.0	-	442	12.1	14.5	0.126	0.14	21	17
3C x 2.5	1	0.9	0.3	-	1.4	-	1.24	-	15.0	-	542	7.41	8.87	0.119	0.15	27	24
3C x 4	1	1.00	0.3	-	1.4	-	1.24	-	16.5	-	663	4.61	5.52	0.116	0.41	36	30
3C x 6	1	1.00	0.3	-	1.4	-	1.24	-	17.5	-	789	3.08	3.69	0.110	0.47	45	39
3C x 10	6	1.00	0.3	-	1.4	-	1.40	-	19.5	-	1017	1.83	2.19	0.100	0.56	60	57
3C x 16	6	1.00	0.3	4x0.8	1.6	1.4	1.40	19.5	21.0	949	1153	1.15	1.38	0.097	0.76	77	66
3C x 25	6	1.20	0.3	4x0.8	1.6	1.4	1.40	22.5	24.0	1339	1553	0.727	0.87	0.097	0.86	99	90
3C x 35	6	1.20	0.3	4x0.8	1.6	1.4	1.40	24.0	25.5	1687	1915	0.524	0.627	0.097	0.98	120	110
3C x 50	6	1.40	0.3	4x0.8	1.6	1.56	1.56	27.5	29.0	2170	2430	0.387	0.463	0.094	1.02	145	135
3C x 70	12	1.40	0.4	4x0.8	2.0	1.56	1.56	30.5	33.0	2863	3355	0.268	0.321	0.090	1.18	175	165
3C x 95	15	1.60	0.4	4x0.8	2.0	1.56	1.72	34.5	37.5	3753	4362	0.193	0.231	0.090	1.20	210	200
3C x 120	18	1.60	0.4	4x0.8	2.0	1.72	1.72	38.0	40.5	4568	5221	0.153	0.184	0.087	1.31	240	230
3C x 150	18	1.80	0.5	4x0.8	2.0	1.88	1.88	41.5	44.0	5556	6261	0.124	0.149	0.087	1.31	270	265
3C x 185	30	2.00	0.5	4x0.8	2.5	1.88	2.04	45.5	49.0	6763	7948	0.0991	0.120	0.087	1.31	300	305
3C x 240	34	2.20	0.6	4x0.8	2.5	2.20	2.20	52.0	55.5	8719	10062	0.0754	0.0912	0.087	1.34	345	355
3C x 300	34	2.40	0.6	4x0.8	2.5	2.36	2.36	56.5	60.0	10665	12132	0.0601	0.0739	0.086	1.41	385	400
3C x 400	53	2.60	0.7	4x0.8	3.2	2.52	2.68	64.5	69.5	13490	15954	0.0470	0.0592	0.086	1.45	425	455