

# GRID INDIA POWER CABLES PVT. LTD.



## 2 CORE ALUMINIUM PVC ARMoured POWER CABLES

No. of cores and cross sectional area	Min. No. of wires	Thickness of PVC Insulation (Nom.) (mm)	Min. Thickness of PVC inner sheath (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		
				Strip	Wire	Strip Armour	Wire Armour	Strip Armour	Wire Armour	Strip Armour (Kg/Km)	Wire Armour (Kg/Km)					Direct in Ground	In duct	In Air
2C x 1.5	1	0.8	0.3	-	1.40	-	1.24	-	13.5	-	390	18.10	21.72	0.126	0.14	18	16	16
2C x 2.5	1	0.9	0.3	-	1.40	-	1.24	-	15.0	-	450	12.10	14.52	0.119	0.15	25	21	21
2C x 4	1	1.0	0.3	-	1.40	-	1.24	-	16.5	-	550	7.41	8.89	0.116	0.16	32	27	27
2C x 6	1	1.0	0.3	-	1.40	-	1.24	-	17.5	-	640	4.61	5.53	0.110	0.19	40	34	35
2C x 10	1	1.0	0.3	-	1.40	-	1.24	-	19.0	-	745	3.08	3.70	0.100	0.22	55	45	47
2C x 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	20.5	22.5	565	830	1.91	2.29	0.097	0.29	70	58	59
2C x 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	21.0	23.0	700	905	1.20	1.44	0.097	0.32	90	76	78
2C x 35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	22.5	24.0	810	1040	0.868	1.04	0.097	0.37	110	92	99
2C x 50	6	1.4	0.3	4x0.8	1.60	1.40	1.56	25.0	27.0	1000	1290	0.641	0.77	0.094	0.37	135	115	125
2C x 70	12	1.4	0.3	4x0.8	1.60	1.56	1.56	28.0	29.5	1230	1510	0.443	0.53	0.090	0.44	160	140	150
2C x 95	15	1.6	0.4	4x0.8	2.00	1.56	1.56	31.5	34.0	1520	2060	0.320	0.38	0.090	0.44	190	170	185
2C x 120	15	1.6	0.4	4x0.8	2.00	1.56	1.72	33.5	36.5	1765	2360	0.253	0.30	0.087	0.49	210	190	210
2C x 150	15	1.8	0.4	4x0.8	2.00	1.72	1.72	37.0	39.5	2080	2700	0.206	0.25	0.087	0.49	240	210	240
2C x 185	30	2.0	0.5	4x0.8	2.00	1.88	1.88	41.0	43.0	2500	3175	0.164	0.20	0.087	0.49	275	240	275
2C x 240	30	2.2	0.5	4x0.8	2.50	2.04	2.04	45.5	49.0	3075	4230	0.125	0.15	0.087	0.50	320	275	325
2C x 300	30	2.4	0.6	4x0.8	2.50	2.20	2.20	50.0	53.5	3760	4950	0.100	0.12	0.086	0.52	355	305	365
2C x 400	53	2.6	0.7	4x0.8	3.15	2.36	2.52	55.5	60.5	4560	6560	0.0778	0.09	0.086	0.53	385	345	420