

GRID INDIA POWER CABLES PVT. LTD.



2 CORE COPPER 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 (Nom.) (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 Air
2C x 1.5	1	0.8	0.3	-	1.40	-	1.24	-	13.5	-	407	12.1	14.5	0.126	0.14	23	20
2C x 2.5	1	0.9	0.3	-	1.40	-	1.24	-	15.0	-	482	7.41	8.87	0.119	0.15	32	27
2C x 4	1	1.0	0.3	-	1.40	-	1.24	-	16.5	-	596	4.61	5.52	0.116	0.16	41	35
2C x 6	1	1.0	0.3	-	1.40	-	1.24	-	17.5	-	711	3.08	3.69	0.110	0.19	50	45
2C x 10	6	1.0	0.3	-	1.40	-	1.24	-	19.0	-	863	1.83	2.19	0.100	0.22	70	60
2C x 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	20.5	22.5	749	912	1.15	1.38	0.097	0.29	90	78
2C x 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	21.0	23.0	994	1197	0.727	0.87	0.097	0.32	115	105
2C x 35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	22.5	24.0	1222	1531	0.524	0.627	0.097	0.37	140	125
2C x 50	6	1.4	0.3	4x0.8	1.60	1.40	1.56	25.0	27.0	1550	1836	0.387	0.463	0.094	0.37	165	155
2C x 70	12	1.4	0.3	4x0.8	1.60	1.56	1.56	28.0	29.5	2035	2316	0.268	0.321	0.090	0.44	205	195
2C x 95	15	1.6	0.4	4x0.8	2.00	1.56	1.56	31.5	34.0	2649	3187	0.193	0.231	0.090	0.44	240	230
2C x 120	18	1.6	0.4	4x0.8	2.00	1.56	1.72	33.5	36.5	3185	3775	0.153	0.184	0.087	0.49	275	265
2C x 150	18	1.8	0.4	4x0.8	2.00	1.72	1.72	37.0	39.5	3835	4449	0.124	0.149	0.087	0.49	310	305
2C x 185	30	2.0	0.5	4x0.8	2.00	1.88	1.88	41.0	43.0	4689	5359	0.0991	0.120	0.087	0.49	350	350
2C x 240	34	2.2	0.5	4x0.8	2.50	2.04	2.04	45.5	49.0	5962	7100	0.0754	0.0912	0.087	0.50	405	410
2C x 300	34	2.4	0.6	4x0.8	2.50	2.20	2.20	50.0	53.5	7384	8562	0.0601	0.0739	0.086	0.52	450	465
2C x 400	53	2.6	0.7	4x0.8	3.15	2.36	2.52	55.5	60.5	9188	11171	0.0470	0.0592	0.086	0.53	490	530