

# GRID INDIA POWER CABLES PVT. LTD.



2 CORE COPPER PVC UNARMoured 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)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Max. A.C. Resistance (Approx.) (Ohm/Km)	Max. D.C. Resistance at 70 (Ohms/Km)	Aorox. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS		
											Direct in Ground	In duct	In Air
											Amps	Amps	Amps
2C x 1.5	1	0.80	0.30	1.80	10.40	194	12.1	14.5	0.126	0.14	23	20	20
2C x 2.5	1	0.90	0.30	1.80	11.90	248	7.41	8.87	0.119	0.15	32	27	27
2C x 4	1	1.00	0.30	1.80	13.40	316	4.61	5.52	0.116	0.41	41	35	35
2C x 6	1	1.00	0.30	1.80	14.40	397	3.08	3.69	0.110	0.47	50	44	45
2C x 10	6	1.00	0.30	1.80	15.90	515	1.83	2.19	0.100	0.56	70	58	60
2C x 16	6	1.00	0.30	1.80	17.80	521	1.15	1.38	0.097	0.76	90	75	78
2C x 25	6	1.20	0.30	2.00	18.70	766	0.727	0.87	0.097	0.86	115	97	105
2C x 35	6	1.20	0.30	2.00	20.20	971	0.524	0.627	0.097	0.98	140	120	125
2C x 50	6	1.40	0.30	2.00	22.70	1258	0.387	0.463	0.094	1.02	165	145	155
2C x 70	12	1.40	0.30	2.00	25.30	1676	0.268	0.321	0.090	1.18	205	180	195
2C x 95	15	1.60	0.40	2.20	29.00	2276	0.193	0.231	0.090	1.20	240	215	230
2C x 120	18	1.60	0.40	2.20	31.00	2760	0.153	0.184	0.087	1.31	275	235	265
2C x 150	18	1.80	0.40	2.40	34.50	3366	0.124	0.149	0.087	1.31	310	270	305
2C x 185	30	2.00	0.50	2.40	37.50	4143	0.0991	0.120	0.087	1.31	350	300	350
2C x 240	34	2.20	0.50	2.60	42.50	5353	0.0754	0.0912	0.087	1.34	405	345	410
2C x 300	34	2.40	0.60	2.80	46.50	6654	0.0601	0.0739	0.086	1.41	450	385	465
2C x 400	53	2.60	0.70	3.20	52.50	8466	0.0470	0.0532	0.086	1.45	491	425	530