

# GRID INDIA POWER CABLES PVT. LTD.



3 CORE COPPER 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)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS		
											Direct in Ground	In duct	In Air
											Amps	Amps	Amps
3C x 1.5	1	0.8	0.3	1.80	11.00	218	12.10	14.50	0.126	0.140	21	17	17
3C x 2.5	1	0.9	0.3	1.80	12.00	284	7.41	8.87	0.119	0.150	27	24	24
3C x 4	1	1.00	0.3	1.80	13.50	372	4.61	5.52	0.116	0.410	36	30	30
3C x 6	1	1.00	0.3	1.80	14.40	470	3.08	3.69	0.110	0.470	45	38	39
3C x 10	6	1.00	0.3	1.80	15.60	629	1.83	2.19	0.100	0.560	60	50	57
3C x 16	6	1.00	0.3	1.80	16.80	723	1.15	1.38	0.097	0.760	77	64	66
3C x 25	6	1.20	0.3	2.00	20.20	1063	0.73	0.87	0.097	0.860	99	81	90
3C x 35	6	1.20	0.3	2.00	21.70	1367	0.524	0.627	0.097	0.980	120	99	110
3C x 50	6	1.40	0.3	2.00	24.80	1783	0.387	0.463	0.094	1.020	145	125	135
3C x 70	12	1.40	0.4	2.20	28.50	2458	0.268	0.321	0.09	1.180	175	150	165
3C x 95	15	1.60	0.4	2.20	31.60	3276	0.193	0.231	0.09	1.200	210	175	200
3C x 120	18	1.60	0.4	2.20	34.70	4009	0.153	0.184	0.087	1.310	240	195	230
3C x 150	18	1.80	0.5	2.40	38.90	4939	0.124	0.149	0.087	1.310	270	225	265
3C x 185	30	2.00	0.5	2.60	44.50	6114	0.099	0.120	0.087	1.310	300	255	305
3C x 240	34	2.20	0.6	2.80	49.00	7928	0.075	0.0912	0.087	1.340	345	295	355
3C x 300	34	2.40	0.6	3.00	53.50	9817	0.060	0.0739	0.086	1.410	385	335	400
3C x 400	53	2.60	0.7	3.40	62.00	12540	0.0470	0.0592	0.086	1.450	425	360	455