

GRID INDIA POWER CABLES PVT. LTD.



4 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)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS		
											Direct in Ground	In duct	In Air
											Amps	Amps	Amps
4C x 1.5	1	0.80	0.30	1.80	11.70	256	12.10	14.50	0.126	0.140	21	17	17
4C x 2.5	1	0.90	0.30	1.80	13.20	335	7.41	8.87	0.119	0.150	27	24	24
4C x 4	1	1.00	0.30	1.80	15.00	446	4.61	5.52	0.116	0.410	36	30	30
4C x 6	1	1.00	0.30	1.80	16.00	576	3.08	3.69	0.110	0.470	45	38	39
4C x 10	6	1.00	0.30	1.80	19.00	773	1.83	2.19	0.100	0.560	60	50	57
4C x 16	6	1.00	0.30	2.00	21.50	935	1.15	1.38	0.097	0.760	77	64	66
4C x 25	6	1.20	0.30	2.00	23.00	1365	0.73	0.87	0.097	0.860	99	81	90
4C x 35	6	1.20	0.30	2.00	25.00	1764	0.524	0.63	0.097	0.980	120	99	110
4C x 50	6	1.40	0.40	2.20	29.50	2354	0.387	0.46	0.094	1.020	145	125	135
4C x 70	12	1.40	0.40	2.20	34.00	3187	0.268	0.32	0.090	1.180	175	150	165
4C x 95	15	1.60	0.40	2.40	37.50	4308	0.193	0.23	0.090	1.200	210	175	200
4C x 120	18	1.60	0.50	2.40	41.50	5288	0.153	0.18	0.087	1.310	240	195	230
4C x 150	18	1.80	0.50	2.60	45.50	6472	0.124	0.15	0.087	1.310	270	225	265
4C x 185	30	2.00	0.60	2.80	50.00	8056	0.099	0.12	0.087	1.310	300	255	305
4C x 240	34	2.20	0.60	3.00	57.00	10415	0.075	0.09	0.087	1.340	345	295	355
4C x 300	34	2.40	0.70	3.40	63.20	13070	0.060	0.07	0.086	1.410	385	335	400
4C x 400	53	2.60	0.70	3.60	70.00	16477	0.0470	0.05	0.086	1.450	425	360	455