

GRID INDIA POWER CABLES PVT. LTD.



4 CORE ALUMINIUM 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 at 20 (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	210	18.10	21.72	0.126	0.140	16	14	13
4C x 2.5	1	0.90	0.30	1.80	13.20	270	12.10	14.52	0.119	0.150	21	18	18
4C x 4	1	1.00	0.30	1.80	15.00	340	7.41	8.89	0.116	0.410	28	23	23
4C x 6	1	1.00	0.30	1.80	16.00	420	4.61	5.53	0.110	0.470	35	30	30
4C x 10	1	1.00	0.30	1.80	19.00	510	3.08	3.70	0.100	0.560	46	39	40
4C x 16	6	1.00	0.30	2.00	21.50	550	1.91	2.29	0.097	0.760	60	50	51
4C x 25	6	1.20	0.30	2.00	23.00	750	1.20	1.44	0.097	0.860	76	63	70
4C x 35	6	1.20	0.30	2.00	25.00	900	0.868	1.04	0.097	0.980	92	77	86
4C x 50	6	1.40	0.40	2.20	29.50	1200	0.641	0.77	0.094	1.020	110	95	105
4C x 70	12	1.40	0.40	2.20	34.00	1520	0.443	0.53	0.090	1.180	135	115	130
4C x 95	15	1.60	0.40	2.40	37.50	2000	0.320	0.38	0.090	1.200	165	140	155
4C x 120	15	1.60	0.50	2.40	41.50	2380	0.253	0.30	0.087	1.310	185	155	180
4C x 150	15	1.80	0.50	2.60	45.50	2900	0.206	0.25	0.087	1.310	210	175	205
4C x 185	30	2.00	0.60	2.80	50.00	3580	0.164	0.20	0.087	1.310	235	200	240
4C x 240	30	2.20	0.60	3.00	57.00	4530	0.125	0.15	0.087	1.340	275	235	280
4C x 300	30	2.40	0.70	3.40	63.20	5680	0.100	0.12	0.086	1.410	305	260	315
4C x 400	53	2.60	0.70	3.60	70.00	7040	0.0778	0.09	0.086	1.450	335	290	375