

GRID INDIA POWER CABLES PVT. LTD.



1 CORE ALUMINIUM PVC UNARMoured POWER CABLES

Type	No. of cores and cross sectional area	Min. No. of wires	Thickness of Insulation (Nom.) (mm)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (approx.) (mm)	Net Wt. of Cable (Approx.) (Kg/Km)	Max. D.C. Resistance at 20 (Ohms/Km)	Max. A.C. Resistance at 70 (Ohms/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS					
										Direct in Ground		In Duct		In Air	
										2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps
1C x 4	1	1.00	1.80	8	100	7.4100	8.8900	0.137	0.58	36	31	33	30	32	27
1C x 6	1	1.00	1.80	9	110	4.6100	5.5300	0.127	0.68	44	39	42	37	41	35
1C x 10	1	1.00	1.80	10	130	3.0800	3.7000	0.118	0.83	54	51	56	51	56	47
1C x 16	6	1.00	1.80	11	160	1.9100	2.2900	0.110	1.01	75	66	71	65	72	64
1C x 25	6	1.20	1.80	12	220	1.2000	1.4400	0.105	1.05	97	86	93	84	99	84
1C x 35	6	1.20	1.80	13	260	0.8680	1.0400	0.100	1.22	120	100	110	100	120	105
1C x 50	6	1.40	1.80	15	330	0.6410	0.7700	0.098	1.22	145	120	130	115	150	130
1C x 70	12	1.40	1.80	17	410	0.4430	0.5300	0.091	1.43	170	140	155	135	185	155
1C x 95	15	1.60	1.80	19	530	0.3200	0.3800	0.088	1.47	205	175	180	155	215	190
1C x 120	15	1.60	2.00	21	640	0.2530	0.3000	0.086	1.62	230	195	200	170	240	220
1C x 150	15	1.80	2.00	23	770	0.2060	0.2500	0.085	1.62	265	220	220	190	270	250
1C x 185	30	2.00	2.00	25	920	0.1640	0.2000	0.084	1.62	300	240	240	210	305	290
1C x 240	30	2.20	2.00	28	1160	0.1250	0.1500	0.082	1.72	335	270	270	225	350	335
1C x 300	30	2.40	2.00	30	1390	0.1000	0.1200	0.080	1.74	370	295	295	245	395	380
1C x 400	53	2.60	2.20	35	1760	0.0778	0.0934	0.080	1.81	410	325	335	275	455	435
1C x 500	53	3.00	2.20	39	2200	0.0605	0.0726	0.079	1.76	435	345	355	295	490	480
1C x 630	53	3.40	2.40	44	2820	0.0469	0.0563	0.077	1.77	485	390	395	320	560	550
1C x 800	53	3.40	2.40	48	3430	0.0367	0.0440	0.077	1.98	525	440	420	350	650	640
1C x 1000	53	3.40	2.60	53	4180	0.0291	0.0349	0.076	2.20	570	490	445	380	735	720